ORDER NO. BSD03100190
D20

Service Manual

Sec. 1 Service Information
Sec. 2 Disassembly Procedures
Sec. 3 Mechanical Adjustment
Sec. 4 Electrical Adjustment
Sec. 5 Block Diagrams
Sec. 6 Schematic Diagrams
Sec. 7 Exploded Views & Replacement Parts List

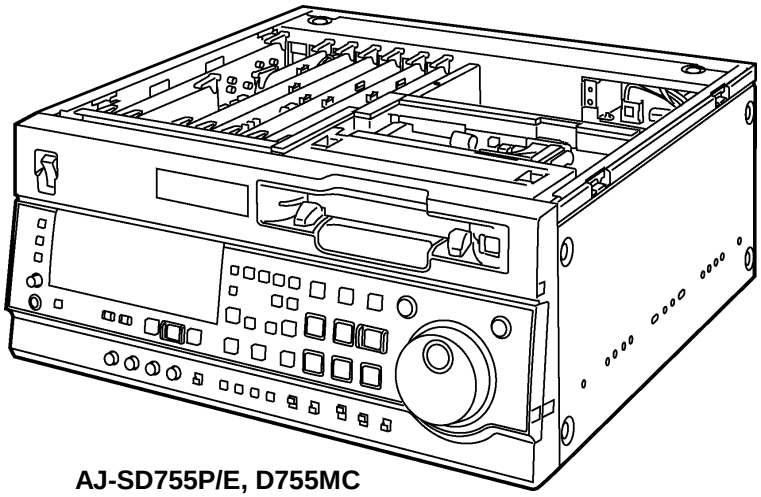
DVCPRO

Digital Video Cassette Recorder

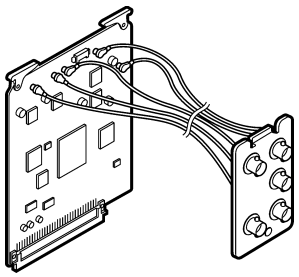
AJ-SD755P/E
AJ-D755MC

SDI Interface Board

AJ-YA755G



AJ-SD755P/E, D755MC



AJ-YA755G

Panasonic

© 2003 Matsushita Electric Industrial Co., Ltd. All rights reserved.
Unauthorized copying and distribution is a violation of law.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

AJ-SD755P

Specifications

[GENERAL]

Power supply:	AC 100 – 240 V, 50 – 60 Hz
Power consumption:	110 W (with all options)

▭ indicates safety information.

Operating ambient temperature:
41°F to 104°F (5°C to 40°C)

Operating ambient humidity:
10% to 80% (no condensation)

Weight:
33.0 lb (15.0 kg)

Dimensions (W×H×D):
16 3/4×6 15/16×16 15/16 inch (424×175.2×430 mm)
(Not including the support legs, connectors, and JOG dial)

Recording format:
DVCPRO/DV format selectable

Recording video signal:
525i system

Recording audio signal:
48 kHz 16-bit 2 channels

Recording tracks:
Digital video audio:
helical track
The time code is recorded in the sub-code area.
Cue track:
1 track
Control track:
1 track

Tape speed:
33.820 mm/sec (DVCPRO)

Recording time:
184 minutes (using the AJ-5P92LP)
66 minutes (using the AJ-P66MP)

Tape:
Metal tape

FF/REW time:
Less than 3 min (with AJ-5P92LP)
Less than 2 min (with AJ-P66MP)

Digital slow:
–0.43× to +0.43×, +0.5×, +0.75× speed
(DVCPRO)

Editing accuracy:
±0 frames (using the time code)

Tape timer accuracy:
±1 frame (using the continuous CTL signal)

Servo lock time:
Less than 0.5 sec (color framing/standby ON)

[VIDEO]

■Digital video

Sampling frequencies:
Y: 13.5 MHz, PB/PR: 3.375 MHz

Quantizing:
8 bits

Video compression method:
DV-Based compression (SMPTE 314M)

Video compression rate:
DVCPRO: 1/5

Error correction:
Reed-Solomon product code

Bit rate:
DVCPRO: 25 Mbps

■Digital IN (option)/Analog component OUT

Video bandwidth:
Y : 30 Hz to 5.75 MHz (±0.5 dB)
PB/PR : 30 Hz to 1.3 MHz (±0.5 dB), 1.5 MHz (–5.0 dB)

S/N ratio:
Better than 60 dB (Y)

K factor:
Less than 1% (Y 2T)

■Analog component IN/Analog component OUT

Video bandwidth:
Y : 30 Hz to 5.5 MHz (±1.0 dB), 5.75 MHz (–2.0 dB)
PB/PR : 30 Hz to 1.3 MHz (±1.0 dB), 1.5 MHz (–5.0 dB)

S/N ratio:
Better than 55 dB

K factor:
Less than 1% (Y 2T)

Y/PB, PR delay:
Less than 20 ns

■Analog composite IN/Analog composite OUT

Video bandwidth:
Y : 30 Hz to 4.5 MHz (±1.0 dB), 5.5 MHz (–3.0 dB)

Y/C delay:
Less than 20 ns

■Video input connector

Analog component input:
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.486/0.7 V [p-p] switchable,
75Ω (75% color bar, 7.5% setup)

Analog composite input:
BNC×2, loop-through, 75Ω on/off
VIDEO:1.0 V [p-p] (75Ω)

Reference input:
Analog composite, BNC×2, loop-through, 75Ω on/off

SDI input (option):
BNC×2, active through, complies with SMPTE 259M-C standard

SDTI input (option):
BNC×1, complies with SMPTE 305M/321M standard

Specifications

[VIDEO]

■Video output connector

Analog component output:
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.486/0.7 V [p-p] switchable,
75Ω (75% color bar, 7.5% setup)

Analog composite output:
BNC×3, video 1, video 2 (video/WFM selectable), video 3 (superimpose on/off)

SDI output (option):
BNC×3, complies with SMPTE 259M-C standard
SDI 1, SDI 2, SDI 3 (superimpose on/off)

SDTI output (option):
BNC×2, complies with SMPTE 305M/321M standard

■Video signal adjustment

Video output gain:
±3 dB

Video output chroma gain:
±3 dB

Video output HUE:
±30°

Video output setup level:
±14 IRE

Video output sync phase:
±15 µsec

Video output SC phase:
±180°

[AUDIO]

■Digital audio

Sampling frequencies:
48 kHz (synchronous with video)

Quantizing:
16 bits

Frequency response:
20 Hz to 20 kHz ±1.0 dB (at the reference level)

Dynamic range:
Better than 90 dB (1 kHz, emphasis OFF, "A" weighted)

Distortion:
Less than 0.05% (1 kHz, emphasis OFF, reference level)

Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)

Wow & flutter:
Below measurable limit

Headroom:
20 dB

De-emphasis:
T1 = 50 µsec, T2 = 15 µsec (auto on/off)

■Cue track

Frequency response:
300 Hz to 6 kHz (–5.0 dB to +3.0 dB)

[AUDIO]

■Audio input connector

Analog input (CH1, CH2):
XLR×2, 600Ω/high impedance selectable (factory setting: high impedance), +4/0/–20 dBu selectable

Digital input (CH1/CH2):
BNC×1, AES/EBU format

SDI input (option):
BNC×2, active through, complies with SMPTE 259M-C/272M-A standard

■Audio output connector

Analog output (CH1, CH2):
XLR×2, low impedance, +4/0/–20 dBu selectable

Digital output (CH1/CH2):
BNC×1, AES/EBU format,
75Ω, 1.0 ± 0.2 V [p-p]

SDI output (option):
BNC×3, 75Ω, complies with SMPTE 259M-C/272M-A standard

Monitor output:
XLR×2, low impedance, +4/0/–20 dBu selectable

Headphones:
Stereo mini jack, 8Ω, variable level

[Other Input/Output Connectors]

Time code input:
XLR×1, 0.5 V to 8.0 V [p-p], 10 kΩ

Time code output:
XLR×1, low impedance, 2.0 V ± 0.5 V [p-p]

RS-422A input:
D-sub 9-pin, RS-422A interface

RS-422A output:
D-sub 9-pin, RS-422A interface

RS-232C:
D-sub 25-pin, RS-232C interface

Parallel input/output:
D-sub 25-pin

Encoder remote:
D-sub 15-pin

Weight and dimensions when shown are approxlmately.
Speclilcailons are subject to change without notice.

Specifications

[GENERAL]

Power supply: AC 100 – 240 V, 50 – 60 Hz
Power consumption: 110 W (with all options)

▭ indicates safety information.

Operating ambient temperature:
5°C to 40°C

Operating ambient humidity:
10% to 80% (no condensation)

Weight:
15.0 kg

Dimensions (W×H×D):
424×175.2×430 mm
(Not including the support legs, connectors, and JOG dial)

Recording format:
DVCPRO/DV format selectable

Recording video signal:
625i system

Recording audio signal:
48 kHz 16-bit 2 channels

Recording tracks:
Digital video audio:
helical track
The time code is recorded in the sub-code area.
Cue track:
1 track
Control track:
1 track

Tape speed:
33.854 mm/sec (DVCPRO)

Recording time:
184 minutes (using the AJ-5P92LP)
66 minutes (using the AJ-P66MP)

Tape:
Metal tape

FF/REW time:
Less than 3 min (with AJ-5P92LP)
Less than 2 min (with AJ-P66MP)

Digital slow:
–0.43× to +0.43×, +0.5×, +0.75× speed
(DVCPRO)

Editing accuracy:
±0 frames (using the time code)

Tape timer accuracy:
±1 frame (using the continuous CTL signal)

Servo lock time:
Less than 0.5 sec (colour framing/standby ON)

[VIDEO]

■Digital video

Sampling frequencies:
Y: 13.5 MHz, PB/PR: 3.375 MHz

Quantizing:
8 bits

Video compression method:
DV-Based compression (SMPTE 314M)

Video compression rate:
DVCPRO: 1/5

Error correction:
Reed-Solomon product code

Bit rate:
DVCPRO: 25 Mbps

■Digital IN (option)/Analogue component OUT

Video bandwidth:
Y : 25 Hz to 5.75 MHz (±0.5 dB)
PB/PR : 25 Hz to 1.3 MHz (±0.5 dB), 1.5 MHz (–5.0 dB)

S/N ratio:
Better than 60 dB (Y)

K factor:
Less than 1% (Y 2T)

■Analogue component IN/Analogue component OUT

Video bandwidth:
Y : 25 Hz to 5.5 MHz (±1.0 dB), 5.75 MHz (–2.0 dB)
PB/PR : 25 Hz to 1.3 MHz (±1.0 dB), 1.5 MHz (–5.0 dB)

S/N ratio:
Better than 55 dB

K factor:
Less than 1% (Y 2T)

Y/PB, PR delay:
Less than 20 ns

■Analogue composite IN/Analogue composite OUT

Video bandwidth:
Y : 25 Hz to 4.5 MHz (±1.0 dB), 5.75 MHz (–3.0 dB)

Y/C delay:
Less than 20 ns

■Video input connector

Analogue component input:
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.7 V [p-p],
75Ω (100% colour bar)

Analogue composite input:
BNC×2, loop-through, 75Ω on/off
VIDEO:1.0 V [p-p] (75Ω)

Reference input:
Analogue composite, BNC×2, loop-through, 75Ω on/off

SDI input (option):
BNC×2, active through, complies with ITU-R BT.656-4 standard

SDTI input (option):
BNC×1, complies with SMPTE 305M/321M standard

Specifications

[VIDEO]

■Video output connector

Analogue component output:
BNC×3 (Y, PB, PR)
Y: 1.0 V [p-p], PB/PR: 0.7 V [p-p],
75Ω (100% colour bar)

Analogue composite output:
BNC×3, video 1, video 2 (video/WFM selectable), video 3 (superimpose on/off)

SDI output (option):
BNC×3, complies with ITU-R BT.656-4 standard
SDI 1, SDI 2, SDI 3 (superimpose on/off)

SDTI output (option):
BNC×2, complies with SMPTE 305M/321M standard

■Video signal adjustment

Video output gain:
±3 dB

Video output chroma gain:
±3 dB

Video output chroma phase:
±30°

Video output black level:
±100 mV

Video output sync phase:
±15 µsec

Video output SC phase:
±180°

[AUDIO]

■Digital audio

Sampling frequencies:
48 kHz (synchronous with video)

Quantizing:
16 bits

Frequency response:
20 Hz to 20 kHz ±1.0 dB (at the reference level)

Dynamic range:
Better than 90 dB (1 kHz, emphasis OFF, "A" weighted)

Distortion:
Less than 0.05% (1 kHz, emphasis OFF, reference level)

Crosstalk:
Less than –80 dB (1 kHz, between 2 channels)

Wow & flutter:
Below measurable limit

Headroom:
18 dB

De-emphasis:
T1 = 50 µsec, T2 = 15 µsec (auto on/off)

■Cue track

Frequency response:
300 Hz to 6 kHz (–5.0 dB to +3.0 dB)

[AUDIO]

■Audio input connector

Analogue input (CH1, CH2):
XLR×2, 600Ω/high impedance selectable (factory setting: high impedance), +4/0/–20 dBu selectable

Digital input (CH1/CH2):
BNC×1, AES/EBU format

SDI input (option):
BNC×2, active through, complies with ITU-R BT.656-4 standard

■Audio output connector

Analogue output (CH1, CH2):
XLR×2, low impedance, +4/0/–20 dBu selectable

Digital output (CH1/CH2):
BNC×1, AES/EBU format,
75Ω, 1.0 ± 0.2 V [p-p]

SDI output (option):
BNC×3, 75Ω, complies with ITU-R BT.656-4 standard

Monitor output:
XLR×2, low impedance, +4/0/–20 dBu selectable

Headphones:
Stereo mini jack, 8Ω, variable level

[Other Input/Output Connectors]

Time code input:
XLR×1, 0.5 V to 8.0 V [p-p], 10 kΩ

Time code output:
XLR×1, low impedance, 2.0 V ± 0.5 V [p-p]

RS-422A input:
D-sub 9-pin, RS-422A interface

RS-422A output:
D-sub 9-pin, RS-422A interface

RS-232C:
D-sub 25-pin, RS-232C interface

Parallel input/output:
D-sub 25-pin

Encoder remote:
D-sub 15-pin

Weight and dimensions when shown are approxlmately.
Speclilcailons are subject to change without notice.

Specifications

Dimensions (W×H×D):
SDI board: 5×5 7/8×5/8 inch (127×148×15 mm),
Connector board: 1 11/16×2 13/16×1 3/16 inch (42×71×30 mm)

Weight:
SDI board: 0.20944 lb. (95.2 g),
Connector board: 0.19712 lb. (89.6 g)
(including the connecting cablers)

SDI input:
BNC×2, active through

SDI output:
BNC×3

Video:	SMPTE259M-C, ITU-R BT.656-4 standards complied with
Audio:	SMPTE259M-C, SMPTE272M-A, ITU-R BT.656-4 standards complied with

SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts, which have been over-heated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5MΩ.

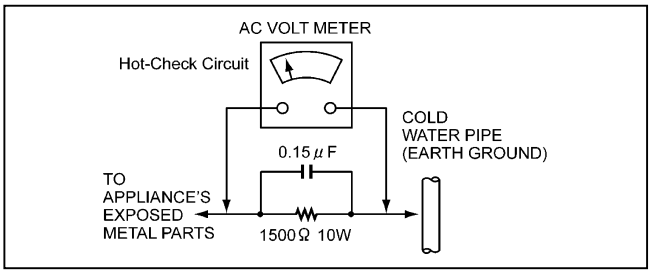


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ, 10W resistor, in parallel with a 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ABOUT LEAD FREE SOLDER (PbF)

Distinction of Pbf PCB:
PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.
Caution:

1. Pb free solder has a higher melting point than standard solder; Typically the melting point is 50–70˚F (30-40˚C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700±20˚F (370±10˚C).
2. Pb free solder will tend to splash when heated too high (about 1100˚F/600˚C).

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor “chip” components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as “anti-static” can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
   (most replacement ES devices are package with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

X-RADIATION

WARNING

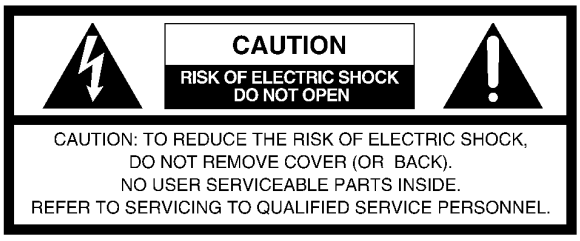
1. The potential source of X-radiation in EVF sets is the High Voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that jig is capable of handling 10kV without causing X-Radiation.

Note: It is important to use an accurate periodically calibrated high voltage meter.

3. Measure the High Voltage. The meter (electric type) reading should indicate 2.5kV, ±0.15kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.

IMPORTANT

"Unauthorized recording of copyrighted television programs, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (service) instructions in the literature accompanying the appliance.

■ THIS APPARATUS MUST BE GROUNDED

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power outlet which is effectively grounded through normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to the ground. Incorrectly wired extension cords can be extremely hazardous.

The fact that the equipment operates satisfactorily does not imply that it is grounded, and the installation is not necessarily safe. For your safety, if in any doubt about the effective grounding of the equipment or power outlet, please consult a qualified electrician.

CAUTION:

THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

- **Keep the temperature inside the rack to between 41°F to 104°F (5°C to 40°C).**
- **Bolt the rack securely to the floor so that it will not topple over when VTR is drawn out.**

FCC Note:

This device complies with Part 15 of the FCC Rules. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION:

This apparatus can be operated at a voltage in the range of 100 – 240 V AC.

Voltage other than 120 V is not intended for U.S.A. and Canada.

CAUTION:

Operation at a voltage other than 120 V AC may require the use of a different AC plug. Please contact either a local or foreign Panasonic authorized service center for assistance in selecting an alternate AC plug.

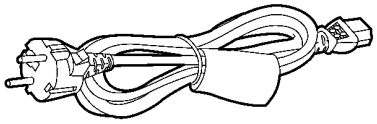
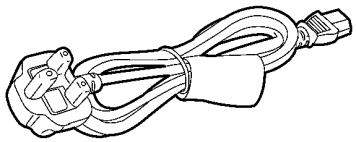
CAUTION:

Even when the Power Switch is in the OFF position, a small current flows the filter circuit.

▭ indicates safety information.

Caution for AC Mains Lead

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.
This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.
Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

FOR CONTINENTAL EUROPE, ETC. Not to be used in the U.K. 	**FOR U.K. ONLY** If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted. 

FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 13 amp fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ♆ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

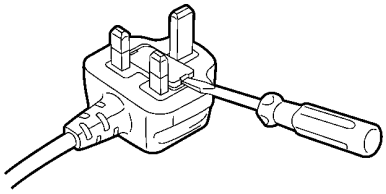
If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.
WARNING: THIS APPLIANCE MUST BE EARTHED.
IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

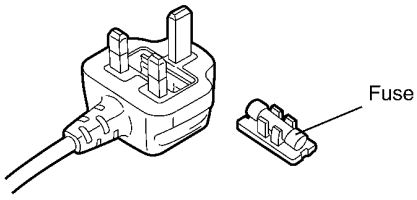
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol ⏚ or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse
1. Open the fuse compartment with a screwdriver.



2. Replace the fuse.



▭ indicates safety information.

IMPORTANT

"Unauthorized recording of copyrighted television programmes, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Operating precaution

Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

■ **THIS APPARATUS MUST BE EARTHED**

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power point which is effectively earthed through the normal house-hold wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

■ **DO NOT REMOVE PANEL COVER BY UNSCREWING.**

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.

Refer servicing to qualified service personnel.

CAUTION:

THE AC OUTLET (MAINS SOCKET) SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

Even when the Power Switch is in the OFF position, a small current flows the filter circuit.

CAUTION:

- **Keep the temperature inside the rack to between 5°C to 40°C.**
- **Bolt the rack securely to the floor so that it will not topple over when VTR is drawn out.**

▭ indicates safety information.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO AUTHORIZED SERVICE PERSONNEL.

indicates safety information.

Panasonic

FCD0310NYNK118E434G

SECTION 1

SERVICE INFORMATION

CONTENTS

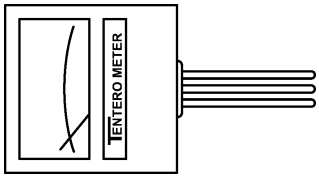
1. SERVICING FIXTURES & TOOLS....INF-1
2. ALIGNMENT TAPE....INF-4
   - 2-1. VFM3580KM / L (NTSC) (25M adjustment tape) INF-4
   - 2-2. VFM3581KM / L (NTSC) (25M LISTA adjustment tape) INF-4
   - 2-3. VFM3582KM / L (NTSC) (25M X-value adjustment tape) INF-4
   - 2-4. VFM3681KM / L (PAL) (25M LISTA adjustment tape) INF-4
   - 2-5. VFM3681KM / L (PAL) (25M LISTA adjustment tape) INF-4
   - 2-6. VFM3682KM / L (PAL) (25M X-value adjustment tape) INF-5
   - 2-7. VFM3010EDS / L (NTSC) (DV adjustment tape) INF-5
   - 2-8. VFM3110EDS / L (PAL) (DV adjustment tape) INF-5
   - 2-9. VFM3000EDS (DV (LISTA) adjustment tape) INF-5
   - 2-10. VFM3584KM (NTSC) (25M adjustment tape) INF-5
   - 2-11. VFM3684KM (PAL) (25M adjustment tape) INF-5
3. LIST OF RECOMMENDED MEASURING INSTRUMENTS INF-5
4. MAINTENANCE....INF-6
   - 4-1. Maintenance Schedule INF-6
   - 4-2. Layout of the Maintenance Parts....INF-7
   - 4-3. Layout of the Other Parts....INF-7
5. MANUAL TAPE EJECT (Emergency Eject) INF-8
6. CLEANING METHOD....INF-9
   - 6-1. Cylinder Head Cleaning Method:(Daily) INF-9
   - 6-2. Cylinder Lead Cleaning Method:(Weekly) INF-9
   - 6-3. A/C Head Cleaning Method:(Weekly)....INF-9
   - 6-4. Pinch Roller and Capstan Shaft Cleaning Method:(Weekly)....INF-9
   - 6-5. Post Cleaning Method:(Weekly) INF-9
7. SOFTWARE VERSION DISPLAY....INF-10
   - 7-1. SOFTWARE & PLD VERSION....INF-10
   - 7-2. SOFTWARE VERSION & CHECK SUM INF-11
     - 7-2-1. SOFTWARE VERSION INF-11
     - 7-2-2. CHECK SUM....INF-11
8. ERROR RATE DISPLAY....INF-12
9. DIAG MENU DISPLAY INF-14
   - 9-1. DIAG-MENU Operation Method INF-14
   - 9-2. WARNING Information Display....INF-15
   - 9-3. DIF STATUS Information Display....INF-15
   - 9-4. UMID Information Display....INF-16
   - 9-5. HOUR METER Information Display....INF-16
     - 9-5-1. How to reset Hour Meter....INF-16

10 TP & MAIN SIGNAL FOR TAPE PATH CONFIRMATION INF-17
11. INTERNAL SWITCH SETTING METHOD INF-19
12. SOFTWARE VERSION UPGRADE METHOD INF-20
12-1. Microcomputer (FLASH) /PLD Chart INF-20
12-2. Flash ROM Software Version Up Procedure INF-21
12-2-1. SYSAV, DV and I/F software (Flash ROM). INF-22
12-2-2. SERVO software (Flash ROM). INF-24
12-3. PLD Version Upgrade Procedure INF-27
12-3-1. PLD Version up Method (ALTERA) INF-27
12-4. PLD Version Upgrade Procedure for AJ-YA755G. INF-30
12-4-1. PLD(FPGA) Version up Method (XILINX) INF-30
13. SERVICE MENU INF-34
13-1. Service Menu Operation Method INF-34
13-2. DEFAULT Operation INF-35
13-3. Service Menu Contents INF-36
14. ERROR MESSAGES INF-53
15. APPENDIX INF-56
15-1. FLASH ROM VERSION UP PROCEDURE for I/F ROM using
Flash memory version up tool (VFK1304A) INF-57
16. CIRCUIT BOARD LAYOUT DRAWING INF-60

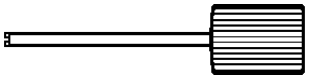
1. SERVICING FIXTURES & TOOLS

NO	NEW	PART NO.	FIXTURE & TOOL NAME	REMARKS
1		VFK1145A	Back Tension Meter	
2		VFK1149B	Post Driver	
3		VFK71A	Dial Torque Gauge (1.5 cN·m)	150 g
4		VFK1191A	Dial Torque Gauge (0.45 cN·m)	45 g
5		VFK1152	Dial Torque Gauge Adapter	
6		VFK0357	Eccentric Screwdriver (1.5 mm)	
7		VFK1154	Post Height Fixture	
8		VFK1153	Mech. Neutral Plate	
9		VFK1155	REV Position Tool (silver)	
10		VFK1156	PLAY Position Tool (black)	
11		VFK1208	Neutral Position Tool (black with hole)	
12		VFK1150A	Nut Driver (5.5 mm)	
13		VFK1151A	Nut Driver (2.5 mm)	
14		VFK1188A	Dial Tension Gauge	
15		VFK0948A	Check Light	
16		VFK0749	Froiral Grease (white)	for plastics part
17		MOR265	Morlytone Grease (black)	for metal part
18		VFK1146A	Philips Driver (Fine) (00-75)	
19		VFK1147A	Philips Driver (Fine) (00-100)	
20		VFK1148A	Hex. Driver (1.5 mm)	
21		VFK1178A	Hex. Driver (0.89 mm)	
22		VFK1179A	Hex. Driver (0.71 mm)	
23		VFK1190A	Hex. Wrench	
24		VFK1209A	Torque Driver (4 cN·m-30 cN·m)	0.4 kgf·cm –3 kgf·cm
25		VFK1375	Post Axis Driver (1.5 mm)	
26		VFK1300	A/D Board (DAQ-12 Quatech)	
27		VFM3580KM	DVCPRO Alignment Tape (No.1) (NTSC)	or VFM3580KL
28		VFM3581KM	DVCPRO Alignment Tape (No.2) (NTSC)	or VFM3581KL
29		VFM3582KM	DVCPRO Alignment Tape (No.3) (NTSC)	or VFM3582KL
30		VFM3680KM	DVCPRO Alignment Tape (No.1) (PAL)	or VFM3680KL
31		VFM3681KM	DVCPRO Alignment Tape (No.2) (PAL)	or VFM3681KL
32		VFM3682KM	DVCPRO Alignment Tape (No.3) (PAL)	or VFM3682KL
33		VFM3010EDS	DV Alignment Tape (Color Bars) (NTSC)	or VFM3010EDL
34		VFM3110EDS	DV Alignment Tape (Color Bars) (PAL)	or VFM3110EDL
35		VFM3000EDS	DV Alignment Tape for LISTA	or VFM3000EDL
36		AJ-CL12MP	Cleaning Tape	SALES Route
37		VFK1423	Tape Beg./End Detection Cassette	
38		VFK1192	F Extender Board	
39		VFK1496	Extender Board	
40		* VFK1481K	LISTA Software	* Download from WEB the site.
41		VFK1186	LISTA Cable	
42		* VFK1248L	Flash ROM Version Up Software	* Download from WEB the site.
43		VFK1590	C PLD Writer	
44		VFK1304A	Flash Memory Version up Tool	
45		VFK0906	Lubrication Oil	
46		VZZ0095	Cleaning Cloth	
47	New	* VFK1892	RF Adjustment Software	* Download from WEB the site.
48		VFK1803	Extension Cable for Front Panel	
49		-----	EE Cleaner	Camera/Electrical Appliances mass merchandisers
50	New	VFM3584KM	DVCPRO Alignment Tape (NTSC)	
51	New	VFM3684KM	DVCPRO Alignment Tape (PAL)	

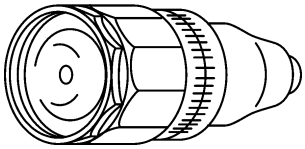
1 **VFK1145A**
Back Tension Meter



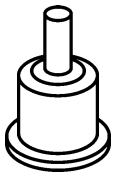
2 **VFK1149B**
Post Driver



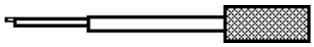
3 **VFK71A**
4 **VFK1191A**
Dial Torque Gauge



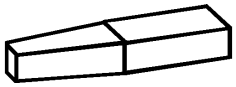
5 **VFK1152**
Dial Torque Gauge Adapter



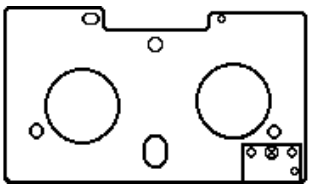
6 **VFK0357**
Eccentric Screwdriver (1.5 mm)



7 **VFK1154**
Post Height Fixture



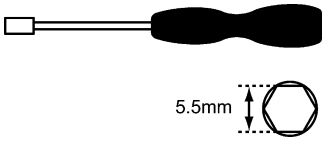
8 **VFK1153**
Mech. Neutral Plate



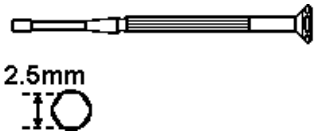
9 **VFK1155** **(REV/Silver)**
10 **VFK1156** **(PLAY/Black)**
11 **VFK1208**
(Neutral/Black with hole)
Position Tool



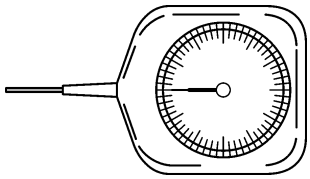
12 **VFK1150A**
Nut Driver (5.5 mm)



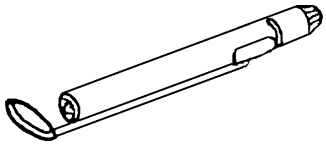
13 **VFK1151A**
Nut Driver (2.5 mm)



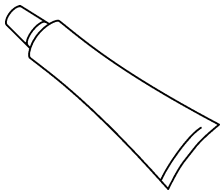
14 **VFK1188A**
Dial Tension Gauge



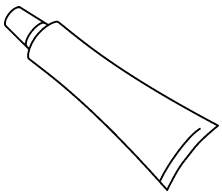
15 **VFK0948A**
Check Light



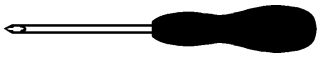
16 **VFK0749**
Froiral Grease (for plastics)



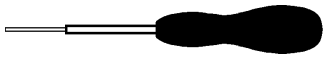
17 **MOR265**
Morlytone Grease (for metal)



18 **VFK1146A (00X75)**
19 **VFK1147A (0X100)**
Philips Driver (Fine)



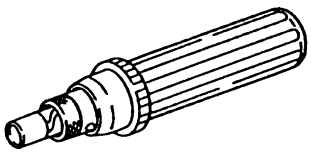
20 **VFK1148A** **(1.5 mm)**
21 **VFK1178A** **(0.89 mm)**
22 **VFK1179A** **(0.71 mm)**
Hex. Driver



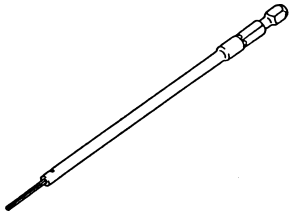
23 **VFK1190A**
Hex. Wrench



24 **VFK1209A**
Torque Driver



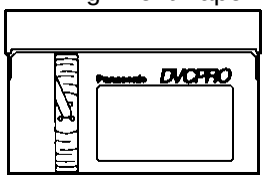
25 **VFK1375**
Post Axis Driver (1.5 mm)



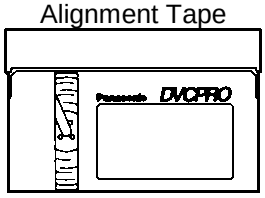
26 **VFK1300**
A/D Board (Quatech DAQ-12)



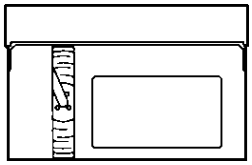
27 **VFM3580KM or L**
28 **VFM3581KM or L**
29 **VFM3582KM or L**
DVCPRO
Alignment Tape



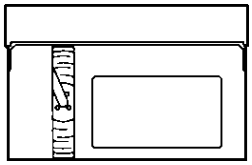
30 **VFM3680KM or L**
31 **VFM3681KM or L**
32 **VFM3682KM or L**
DVCPRO
Alignment Tape



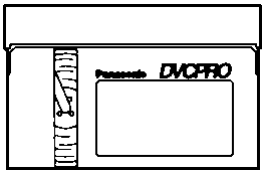
33 **VFM3010EDS or L**
34 **VFM3110EDS or L**
DV Alignment Tape
(Color Bars)



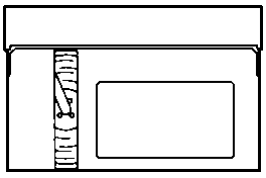
35 **VFM3000EDS or L**
DV Alignment Tape
(LISTA)



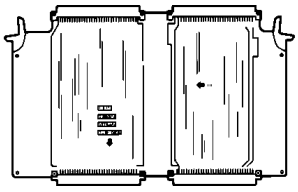
36 **AJ-CL12MP**
Cleaning Tape



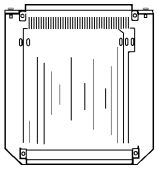
37 **VFK1423**
Tape Beg./End
Detection Cassette



38 **VFK1192**
F Extender Board



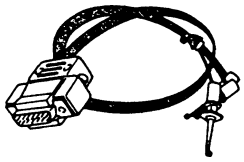
39 **VFK1496**
Extender Board



40 **VFK1481K**
LISTA Software

DOWN LOAD

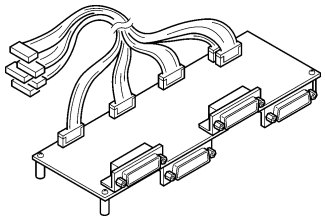
41 **VFK1186**
LISTA Cable



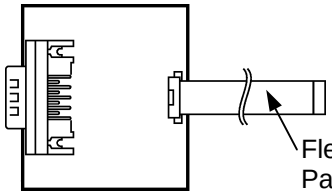
42 **VFK1248L**
Flash ROM Version up
SOFTWARE

DOWN LOAD

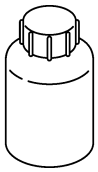
43 **VFK1590**
C PLD Writer



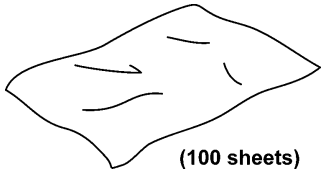
44 **VFK1304A**
Flash Memory Version up Tool
（VFK1304 includes the flexible
cable "VWJ20E5500L0"）



45 **VFK0906**
Lubrication Oil



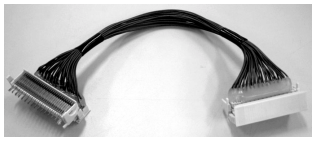
46 **VZZ0095**
Cleaning Cloth



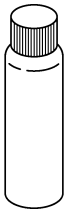
47 **VFK1892**
RF Adjustment
Software

DOWN LOAD

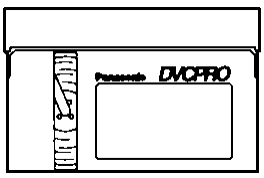
48 **VFK1803**
Extension Cable for
Front Panel



49 **-----**
EE Cleaner



50 **VFM3584KM**
51 **VFM3684KM**
DVCPRO
Alignment Tape



2. ALIGNMENT TAPE

2-1. VFM3580KM / L (NTSC) (25M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar SMPTE(75%)	Confirmation of the composite video level	1KHz –20dB	Confirmation of the audio level	1KHz 0VU	Confirmation of the cue level
7:00	Color bar (100%)	Confirmation of the composite video level				
14:00	H sweep	Frequency characteristic			6KHz 0VU	A/C head azimuth adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			300, 500, 1K 2K, 4K, 6KHz	Frequency characteristic
26:00 – 30:00	Area marker	Video start timing			-----	-----

2-2. VFM3581KM / L (NTSC) (25M LISTA adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00 – 20:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-3. VFM3582KM / L (NTSC) (25M X-value adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00 – 20:00	Color bar (75%) (with drop-out track)	Mechanical adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-4. VFM3680KM / L (PAL) (25 M adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar 100%	Video level Confirmation	1KHz –18dB	Confirmation of the audio level	1KHz Reference Level	Cue Level Confirmation
10:00	H Sweep	Frequency Response				
14:00	Area Markers	Video start timing			6KHz Reference Level	A/C head Azimuth Adjustment
18:00	Bow tie (500K)	Y/C timing				
22:00	Pulse & bar	Y/C timing			1KHz 300KHz-6KHz	Frequency Response
26:00 – 30:00	Multi Pulse	Y/C timing	-----	-----	-----	-----

2-5. VFM3681KM / L (PAL) (25M LISTA adjustment tape)

TIME	VIDEO		PCM AUDIO		CUE	
(min.)	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00 – 20:00	ITI pattern	Linearity adjustment	-----	-----	-----	-----

2-6. VFM3682KM / L (PAL) (25M X-value adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00 – 20:00	Color bar (75%) (with drop-out track)	Mechanical adjustment	-----	-----	6KHz 10VU	X-value adjustment

2-7. VFM3010EDS / L (NTSC) (DV adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar	EQ adjustment	1,102.5KHz		-----	-----

2-8. VFM3110EDS / L (PAL) (DV adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	Color bar	EQ adjustment	1,102.5KHz		-----	-----

2-9. VFM3000EDS (DV (LISTA) adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00	LISTA signal	Adjustment of the linearity	-----	-----	-----	-----

2-10. VFM3584KM (NTSC) (25M adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00 – 5:00	Color bar 100% (with teletext)	Adjustment of teletext level	-----	-----	-----	-----

2-11. VFM3684KM (PAL) (25M adjustment tape)

TIME (min.)	VIDEO		PCM AUDIO		CUE	
	Signal	Purpose	Signal	Purpose	Signal	Purpose
0:00 – 5:00	Color bar 100% (with teletext)	Adjustment of teletext level	-----	-----	-----	-----

3. LIST OF RECOMMENDED MEASURING INSTRUMENTS

MODEL NO. (Example)	NAME	REMARK
TSG130A (NTSC) *1(opt.05)	NTSC analog composite & component signal generator (with CF OUT)	Tektronix
TSG131A (PAL) TSG271 (For CF OUT Signal)	PAL analog composite and component signal generator	
1760 (op. SC) or 1780R	SCH meter (NTSC)	
	Waveform monitor (NTSC)	
	Vector scope (NTSC)	
1761 (op. SC) or 1781R	SCH meter (PAL)	
	Waveform monitor (PAL)	
	Vector scope (PAL)	
	Oscilloscope	
	Digital voltmeter (D.V.M.)	
	Frequency counter	
	Audio noise meter	
	Audio analyzer	
	Spectrum analyzer	

*1 : This option 05 is added for dvcpro service test signal. It include CF OUT Signal.
Please contact the Tektronix if more detail information is required.

4. MAINTENANCE

4-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. Video equipment with mounted mechanisms uses wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important not to just perform repair at the time of trouble, but also to perform suitable maintenance at regular intervals.

	Part name	Part No.	Hours of use (unit: hours)				
			Every 1000	3000	6000	9000	12,000
-	Cleaning of the travel system	-----	C: Every 500 hours				
-	Mechanical chassis unit	VXY1797Z1					R
1	Cylinder Unit	VEG1498		R	R	R	IM
2	Pinch Arm Unit	VXL2835C		R, G	R, G	R, G	IM
3	Cleaning Arm Unit	VXL3027C	R, Y	R, Y	R, Y	R, Y	IM
4	S-Reel Motor Unit	VEM0686			R		IM
5	T-Reel Motor Unit	VEM0687			R		IM
6	Thrust Screw Unit	VXQ0556			R, L		IM
7	Mode SW Unit	VES0918C			R		IM
8	S1 Loading Arm Unit	VXL2812					IM
9	T1 Boat Unit	VXA6379					IM
10	S5 Post Base Unit	VXA7361					IM
11	Tension Arm Unit	VXL2832					IM
12	A/C Head	VED0419					IM
13	Loading Motor (1) Arm Unit	VEM0645C					IM
14	Reel Drive Motor Unit	VEM0585C					IM
15	Pinch Solenoid	VSJ0227					IM
16	S Brake Solenoid	VSJ0216					IM
17	T Brake Solenoid	VSJ0216					IM
18	Distinction SW Unit (MIC SENSOR)	VXA7014C					IM
19	Cleaner Solenoid Unit	VXA7382C					IM
20	Main Cam Gear	VDG1168					IM
21	M Stopper Brake Solenoid	VSJ0216					IM
22	Front-loading unit	VXA7347					R
23	Front Loading Motor	VXA5597					F
24	Fan motor	L6FALEFH0007 (VRF0190)	Exchange after every 12,000 h of energization				

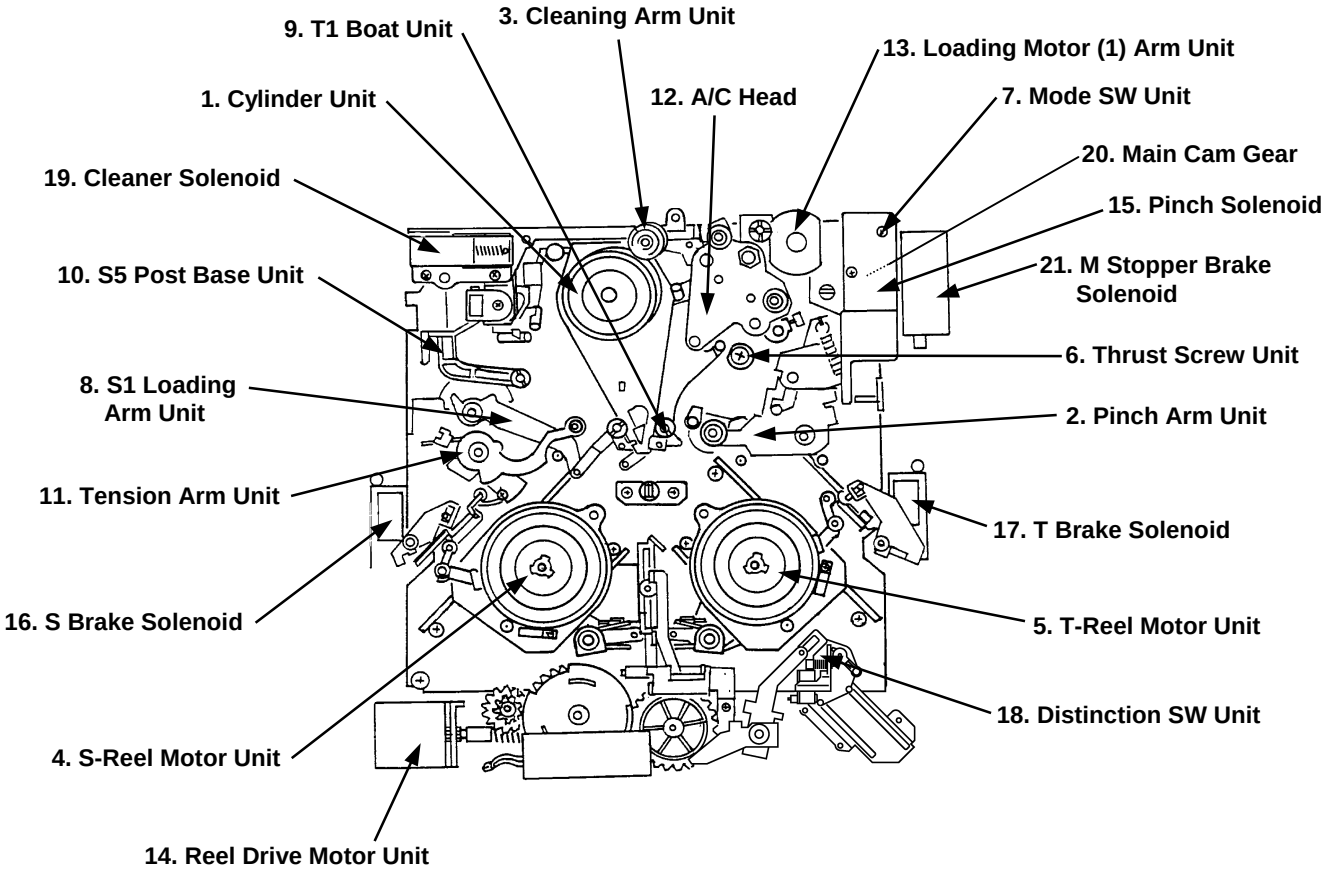
Replacement of the mechanical chassis unit is recommended for the 12,000 h maintenance.

C : Perform cleaning.
R : Assembly subject to exchange.
Y : The timing of replacement with Cleaning Arm Unit, either 1000 hours or 1 year as timing come earlier.
G : At the time of exchange, wipe off the old grease and apply new grease. (Morlytone grease)
L : Lubrication is necessary.
IM : Included in the mechanical chassis unit. When the mechanical chassis unit is not exchanged, exchange as a single part is required.
F : Included in the front-loading unit.

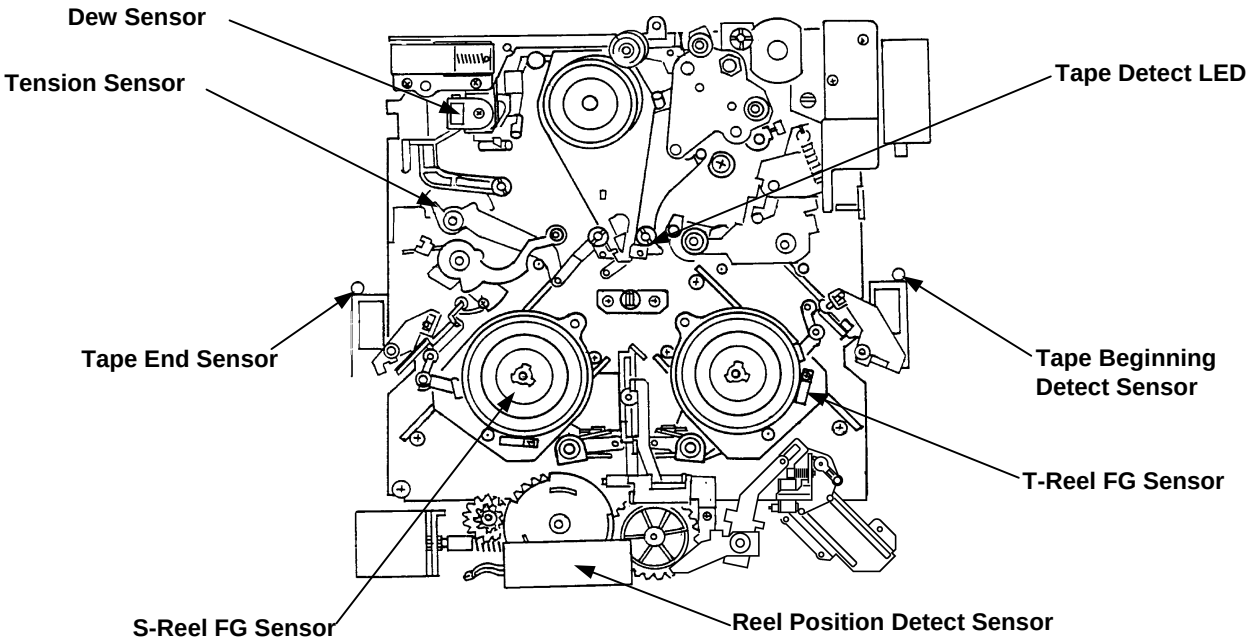
<Note:>

The Hours of use indicates the cylinder rotation time (DRUM RUN).
The maintenance execution time shown in the chart is recommendation for standard maintenance execution. This is not the life of the various parts. The life is influenced by temperature, humidity, dust, etc.
Please refer to the most recent execution outline, as the maintenance specifications and the part numbers may change.

4-2. Layout of the Maintenance Parts



4-3. Layout of the Other Parts



5. MANUAL TAPE EJECT (Emergency Eject)

When a tape can not be ejected by normal operation due to some trouble, the tape can be removed manually as follows.

1. Turn off power and remove the top Case Unit.
2. Rotate the red plastic screw by a Phillips-head screwdriver counterclockwise pushing the screw. It needs to rotate until Post starts moving. (about 30 times rotation).

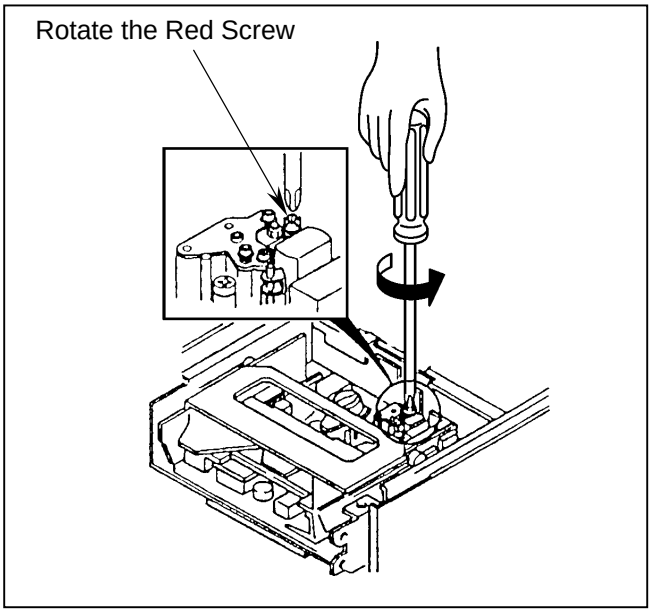


Figure 5-1. Post unloading

3. Since tape slack will occur when the post is unloaded, rotate the supply reel to wind up the tape.
   How to wind up the tape (see Figure 5-2)
   a. Insert the rubber side of the take-up jig to the cassette rid opening position from mechanism side.
   b. Turn the flange of the supply reel in the direction of winding to eliminate the tape slack. (Take care not to damage the tape in the process.)

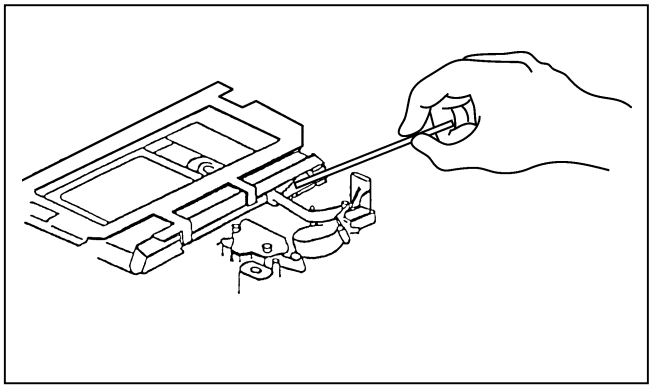


Figure 5-2. Rotate the S Reel

4. Repeat item 2 and 3 until the tape wound up completely inside of the cassette.
5. When the tape is completely gotten inside of the cassette, rotate the red screw in front of the worm gear of the cassette down motor clockwise by a philips-head screwdriver pushing the screw. Remove the cassette with care not to pinch the tape by cassette rid when it is closed.

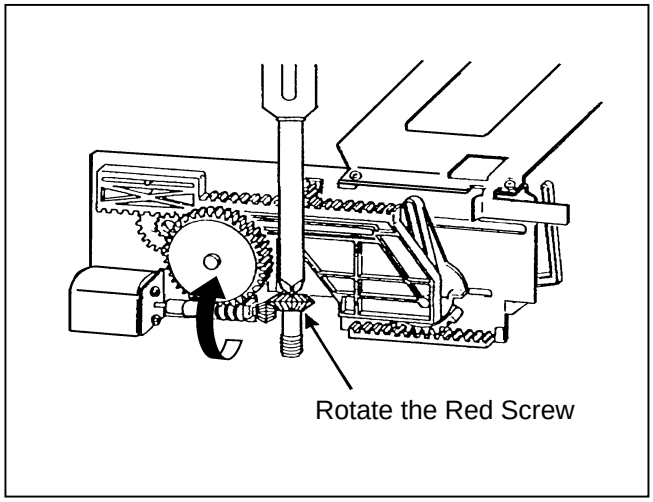


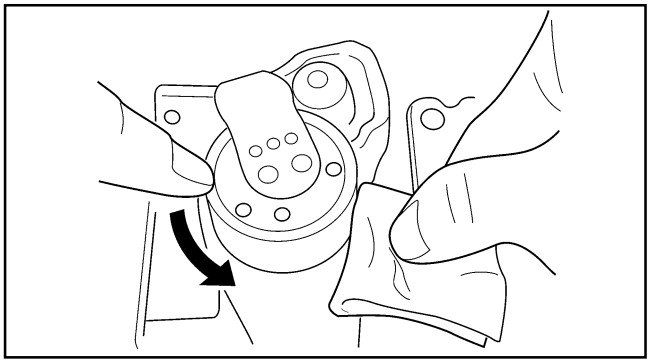
Figure 5-3. Cassette unloading

6. CLEANING METHOD

Note: Turn the power OFF during cleaning.
Make sure the power is OFF before cleaning. Use ethanol (more than 99% purity) as cleaning liquid.

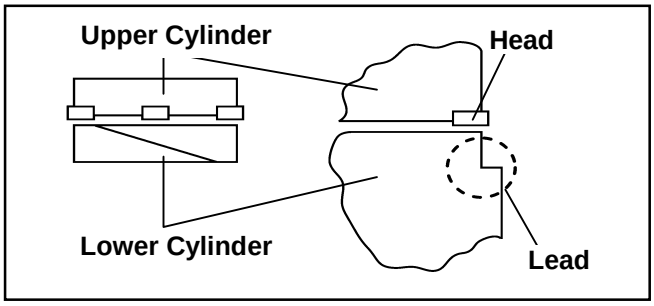
6-1. Cylinder Head Cleaning Method: (Daily)

1. Turn power off.
2. Dip cloth into De-natural Alcohol.
3. Press cleaning cloth gently against Cylinder Head. Using an applicator on the top edge of the Upper Cylinder, rotate the Cylinder counter-clockwise several times to clean.
4. Repeat cleaning procedure until all residue is removed from Cylinder Head.



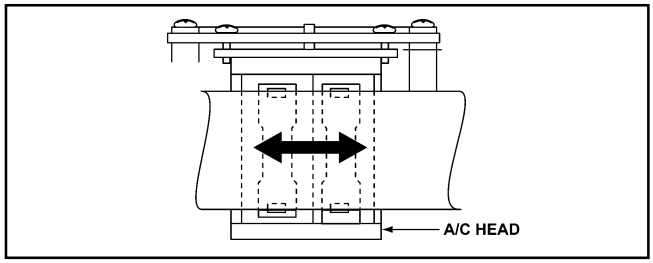
6-2. Cylinder Lead Cleaning Method: (Weekly)

Don't touch a head chip. Clean the drum lead with a pick.



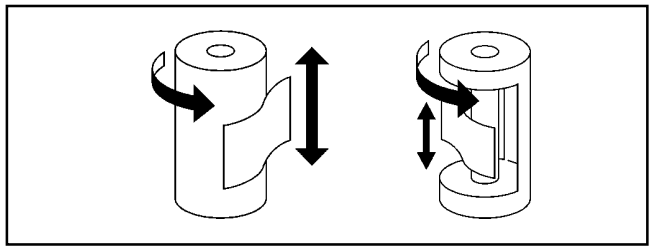
6-3. A/C Head Cleaning Method: (Weekly)

Wipe the A/C head with a cloth dipped in cleaning liquid. Wipe again with a dry cloth.



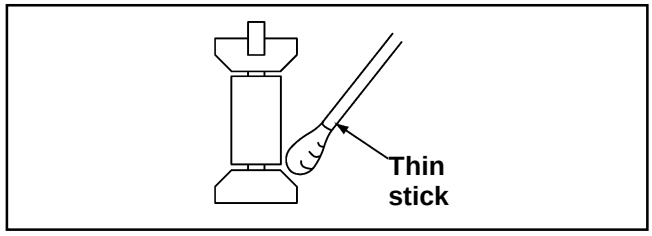
6-4. Pinch Roller and Capstan Shaft Cleaning Method: (Weekly)

Wipe the Pinch Roller and Capstan with a cloth dipped in cleaning liquid.



6-5. Post Cleaning Method: (Weekly)

Wind a cloth on a pick. Wipe each posts with that pick. Wipe again with a dry cloth. For metal posts wipe with a cloth dipped in cleaning liquid. Then wipe it again with dry cloth.

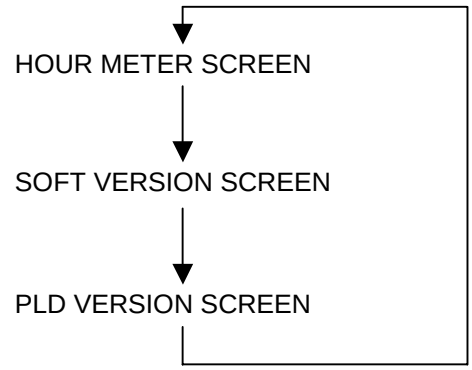


Notes :
Use the clean cloth for cleaning purpose. Do not use any dirty cloth.
The cleaning cloth can be ordered as spare parts.
The part number is indicated as below.
CLEANING CLOTH : VZZ0095

7. SOFTWARE VERSION DISPLAY

7-1. SOFTWARE & PLD VERSION could be displayed on the VIDEO SUPER OUT.

1. Turn on the power.
2. Press the **"STOP"** , **"EJECT"** and **"DIAG"** button simultaneously, then the HOUR METER display is shown on the monitor.
3. Press **"Search"** button in order to change the screen as below ;



DIAG-MENU	SOFT VERSION
* SYSAV	n1.02
SERVO	n1.02
DV	1.02
D-I/F	n1.02
I/F	n1.02

("D-I/F" is not displayed if IEEE1394 or SDTI board is not installed.)

Figure 7-1-1

DIAG-MENU PLD VERSION

*	F1	AUDIO	VSI*****
	F2A	V IN	VSI*****
	F2B	A PROC	VSI*****
	F3A	SDI	VSI*****
	F3B	D-I/F	VSI*****
	F4	REC PB	VSI*****
	F5	V OUT	VSI*****
	F6	SYSCON	VSI*****
	F7	SERVO	VSI*****

"VSI*****" is not displayed if IEEE1394, SDTI and SDI board are not installed.
F3A : AJ-YA755G (Option: SDI Interface Board)
F3B : AJ-YAD755G (Option: IEEE1394 Board)
F3B : AJ-YAC930G (Option: SDTI Interface Board)

NEXT page

	F4	R PREP	VSI*****
	F4	P PREP	VSI*****

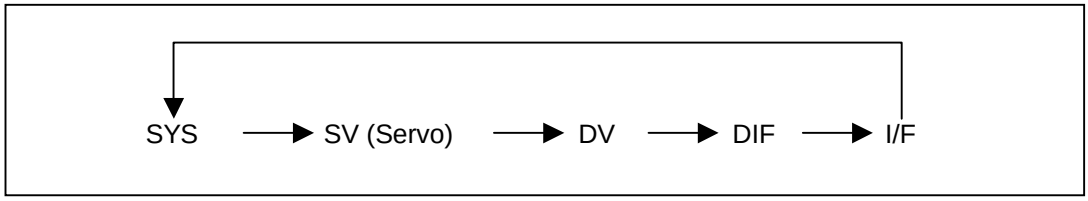
Figure 7-1-2

4. Rotate Search Dial to move the position of **" * "** mark so that the display (SOFTWARE VERSION & PLD VERSION) on the front panel is changed.

7-2. SOFTWARE VERSION & CHECK SUM could be displayed on the counter display (Front Panel)

7-2-1. SOFTWARE VERSION

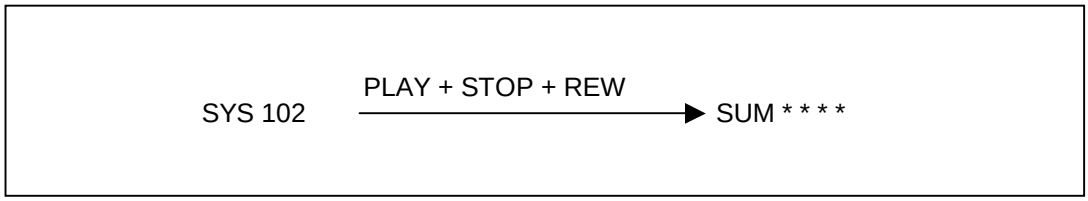
1. Press the **"PLAY"** and **"STOP"** button simultaneously, then software version is displayed on the front panel.
2. Press the **"PLAY"** button together with **"STOP"** button so that the each item of software version is displayed step by step. (refer to below)



(**"DIF"** is not displayed if IEE1394 board is not installed.)

7-2-2. CHECK SUM

1. SOFTWARE VERSION is displayed when press the PLAY and STOP button simultaneously.
2. Press REW button in addition to the PLAY and STOP button so that the CHECK SUM of the software is displayed.



8. ERROR RATE DISPLAY

Condition : 1) Set to Service menu.
2) Set the TCG SW to INT REGEN or INT PRESET.

The error rate is displayed on the AUDIO LEVEL METER in Service menu mode.
(When enters in Service menu mode, the AUDIO LEVEL METER changes into the error display mode automatically.)

1. DVCPRO 25 PB HEAD
   DVCPRO 25 RP HEAD
   DV RP HEAD

   The error rate is displayed and measured on the AUDIO LEVEL METER at the first page (main screen) of Service menu mode (refer to figure 8-1)

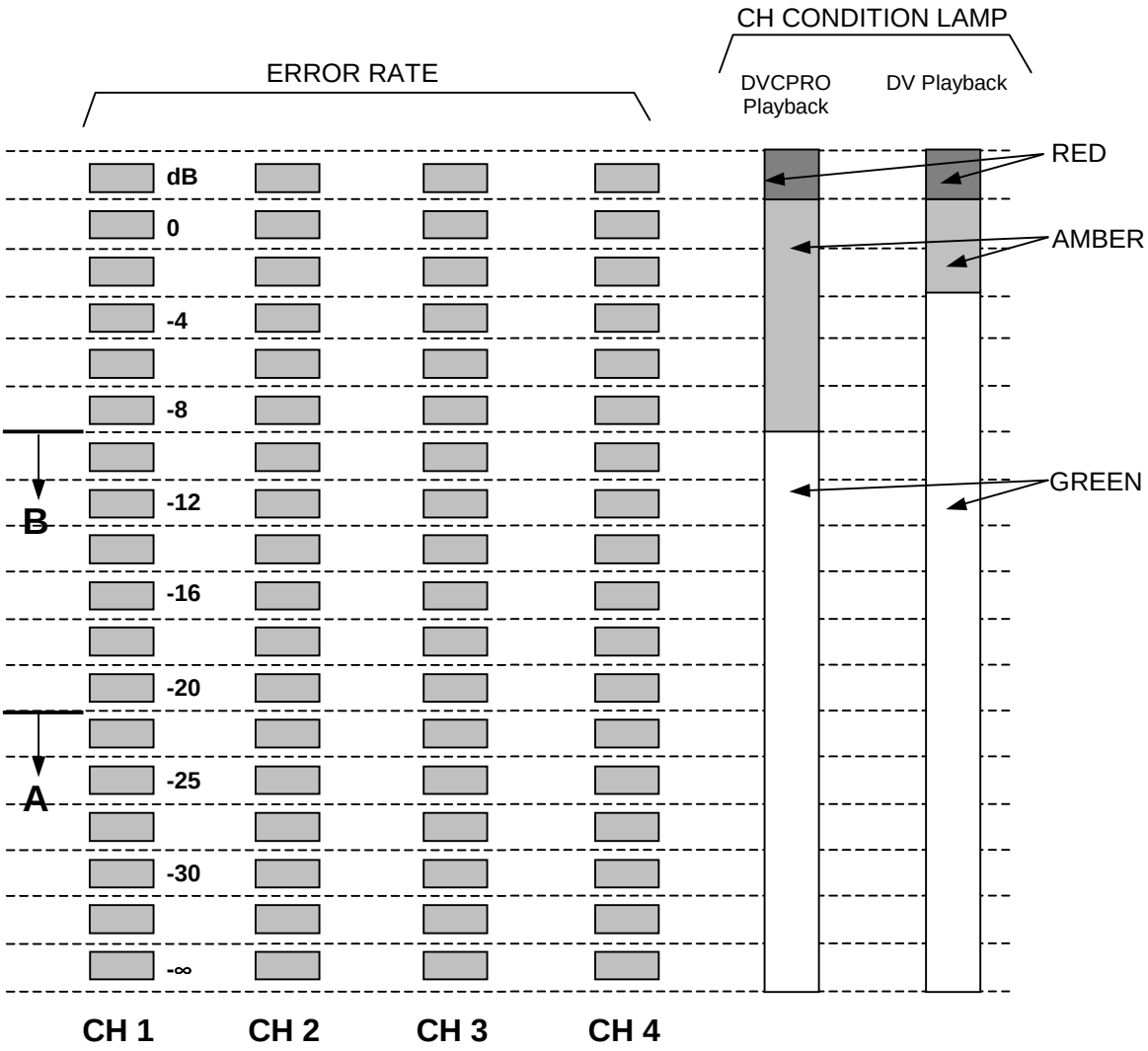
```
SERVICE-MENU
          NO. AOO
*A00 : SERVO ADJUST
 B00 : RF ADJUST
 C00 : VIN ADJUST
 D00 : VOUT ADJUST
 F00 : VIDEO ADJUST
 G00 : AUDIO ADJUST
 H00 : OTHER ADJUST
 IOO : BACKUP RAM INIT
 END
```

Figure 8-1

2. RP HEAD SELECT for Error rate

   1) Enter into the RF adjustment menu and select RP HEAD .
      RP head can be select by item “Q73: ATF HEAD” on RP ADJUST in DVCPRO 25M ADJUST screen.
      RP head can be select by item “R73: ATF HEAD” on RP ADJUST in DV ADJUST screen.
   2) The error rate is displayed on the AUDIO LEVEL METER.

3. Specification of Error Rate



DVCPRO25

ATF HEAD	CH 1	CH 2	CH 3	CH 4
PB	PBL AUDIO	PBR AUDIO	PBL VIDEO	PBR VIDEO
RP	RPL AUDIO	RPR AUDIO	RPL VIDEO	RPR VIDEO

DV

ATF HEAD	CH 1	CH 2	CH 3	CH 4
RP	RPL AUDIO	RPR AUDIO	RPL VIDEO	RPR VIDEO

Specification of Error Rate

	VTR mode	Specification of Error Rate
DVCPRO (PB)	DVCPRO (PB Head) alignment tape playback	Under the “A” position at level meter
DV (R/P)	DV (RP Head) Alignment tape playback	Under the “A” position at level meter
DVCPRO (Confi)	DVCPRO confidence playback (REC mode)	Under the “B” position at level meter

9. DIAG MENU DISPLAY

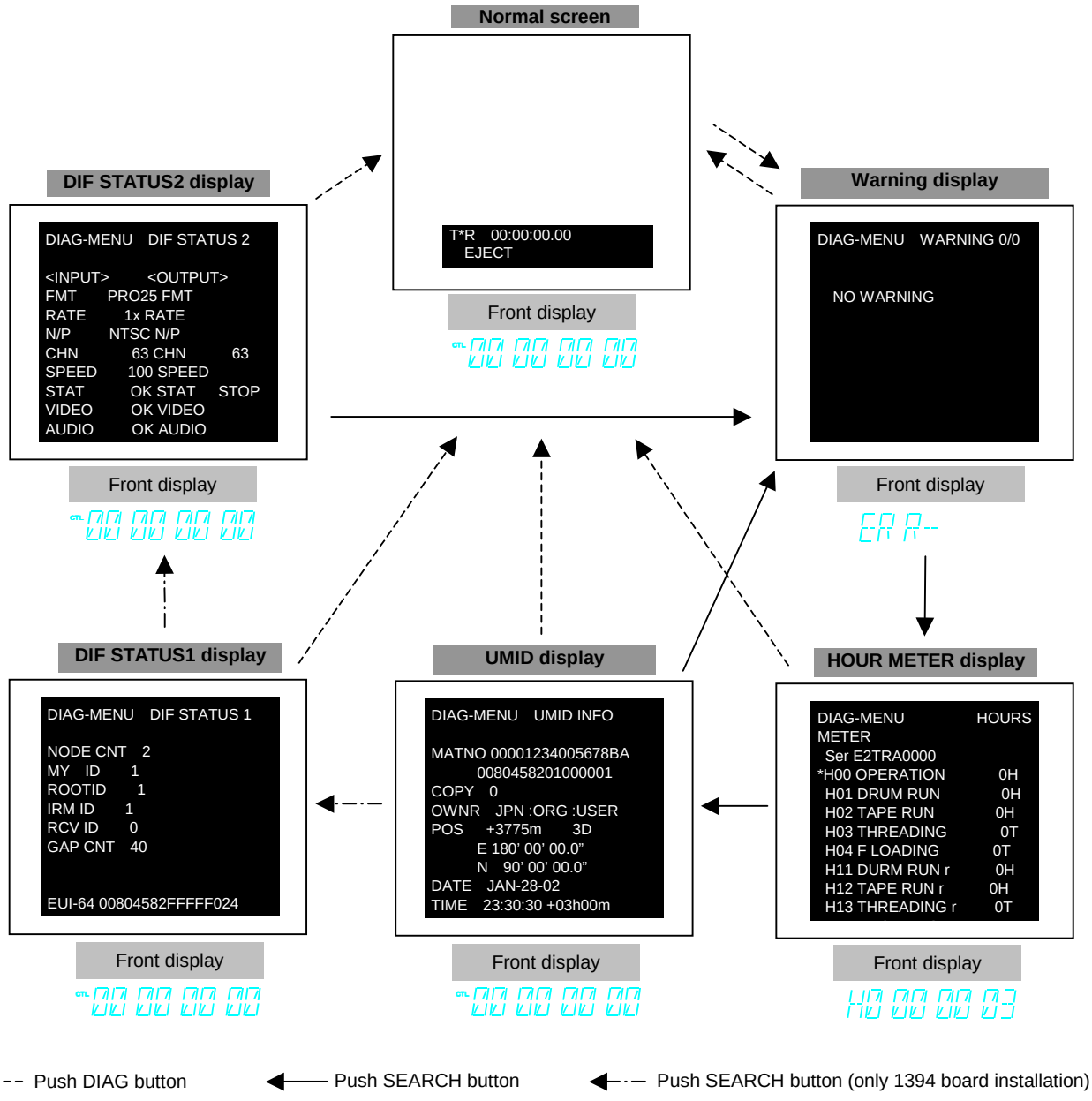
The DIAG-MENU is the menu for investigating the status of the VTR, and it has below indicated information.

· Warning display (WARNING information).
· Hour meter display (HOUR METER information).
· DIF STATUS (This information only displayed, when the 1394 board has been installed <AJ-YAD755G>).
· UMID (Unique Material Identifier) information.

9-1. DIAG-MENU Operation Method

1) To display the DIAG-MENU

1. Push the “DIAG” button, then DIAG-MENU screen will be displayed on the monitor (VIDEO OUT3 / SERIAL OUT3) and counter display of front panel(message only).
2. The display switches to the warning, hour meter, DIF STATUS(displayed only, when the 1394 board has been installed) and UMID information every time push “SERACH” button.
3. When the “DIAG” button, push again, it return to noamal screen.



<NOTE>

· The search button and the search dial cannot be operated while the DIAG menu is displayed.

9-2. WARNING Information Display

A warning message is displayed whenever a warning occurs.
When warning have not been detected, “NO WARNING” is displayed.
When multiple warning occur, the descriptions for each warning can be checked by turning the search dial.

9-3. DIF STATUS Information Display

This information only displayed, when the 1394 board(AJ-YAD755G) has been installed in AJ-SD755.
Current status of 1394 is displayed.

ITEM	DISPLAY/DESCRIPTION
NODE CNT	Indicates the number of local bus connections. 1-63
MY ID	Indicates the current PHY ID of this unit. 0-62
ROOT ID	Indicates the PHY ID of the root on the local path. 0-62
IRM ID	Indicates the PHY ID of the Isochronous Resource Manager. 0-62 : ID value 63 : IRM does not exist
GAP CNT	Indicates the current gap count value. 0-63
EUI-64	Indicates the NODE UNIQUE ID. 0-63
FMT	Indicates the format of the digital input and output signal. DV : DV(DVCAM) PRO25 : DVCPRO25 PRO50 : DVCPRO50 (HD100 : DVCPRO HD)
RATE	Indicates the transfer speed of the digital input and output signal. 1X : 1 time of speed (2X : twice of speed) (4X : 4 times of speed) (8X : 8 times of speed)
N/P	Indicates the NTSC or PAL information of the data received or transmitted. NTSC PAL
CHN	Indicates the current channel number of the data received or transmitted. 0-63
SPEED	Indicates the transfer rate of the digital input and output signal. S100 S200 S400
STAY	Indicates the status of the data received or transmitted. STOP : No transmitted OK : transmitted normally NG : It can not be transmitted by some problem NO_PACKET : Packet does not received(only <INPUT>)
VIDEO	Indicates the status of the video data received or transmitted. STOP : No transmitted OK : transmitted normally NG : It can not be transmitted by some problem
AUDIO	Indicates the status of the audio data received or transmitted. STOP : No transmitted OK : transmitted normally NG : It can not be transmitted by some problem

9-4. UMID Information Display

Information is displayed when UMID information is present on the input signal in E-E mode.
Information is displayed during tape playback when UMID information has been recorded on the tape.
“NO-INFO” is displayed when there is no UMID information.

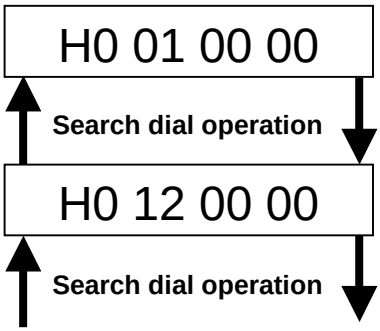
Item	Display/Description
MATNO	Material number
COPY	Instance number (No. of copies)
OWNR	Country, organization, user
POS	height above sea level, longitude and latitude. Reception status from GPS satellites when recording spatial coordinates as follows. HOLD: No reception from any satellite 2D: Reception possible, but number of satellites is insufficient. Height above sea level will not be accurate. 3D: Good reception
DATE	Date(UTC). No indicates about local time.
TIME	UTC (Coordinated Universal Time) and time difference with UTC

9-5. HOUR METER Information Display

Turn the search dial to move the cursor (*). The description for the item where the cursor is located as shown on the counter display.

```
DIAG-MENU          HOURS METER
  Ser    0000000001
* H00    OPERATION       10000H
  H01    DRUM RUN        20000H
  H02    TAPE RUN        30000H
  H03    THREADING       40000T
  H04    F LOADING       40000T
  H11    DRUM RUN r      20000H
  H12    TAPE RUN r      30000H
  H13    THREADING r     40000T
  H14    F LOADING r     40000T
END
```

VIDEO MONITOR



Counter display (Front Panel)

NEXT page

```
DIAG-MENU          HOURS METER
  Ser    0000000001
* H30    POWER ON            0T
END
```

9-5-1. How to reset Hour Meter

1. Eject the cassette tape.
2. After the Hour Meter is displayed, move **“ * ”** to the item to reset by rotating Search Dial. (Only H11 – H14 with **“ r ”** can be reset.)
3. Push **“RESET“** button to display the figure shown right below.
4. Push **“PLAY”** button to format the selected item.

```
DIAG-MENU          HOURS METER
  Ser    0000000001
  H00    OPERATION       10000H
  H01    DRUM RUN        20000H
  H02    TAPE RUN        30000H
  H03    THREADING       40000T
  H04    F LOADING       40000T
* H11    DRUM RUN r      20000H
  H12    TAPE RUN r      30000H
  H13    THREADING r     40000T
  H14    F LOADING r     40000T
END
```

→

```
HOURS METER INIT SET


 DRUM RUN r OK?
    YES<PLAY >/NO<STOP>
```

10. TP & MAIN SIGNAL FOR TAPE PATH CONFIRMATION

TP6301	R/P-ENVELOPE Signal (F8 : RF Board)
TP233	R/P-HSW Signal (F7 : SERVO Board)

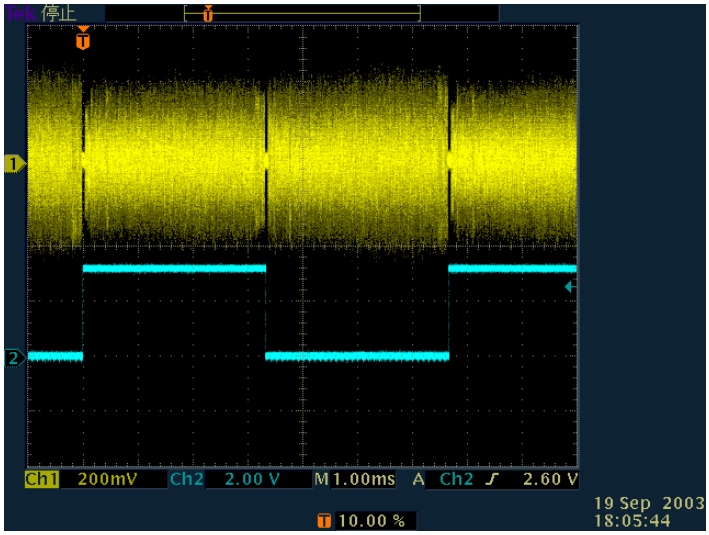


Figure 10-1

TP5301	PB-ENVELOPE Signal (F8 : RF Board)
TP232	PB-HSW Signal (F7 : SERVO Board)

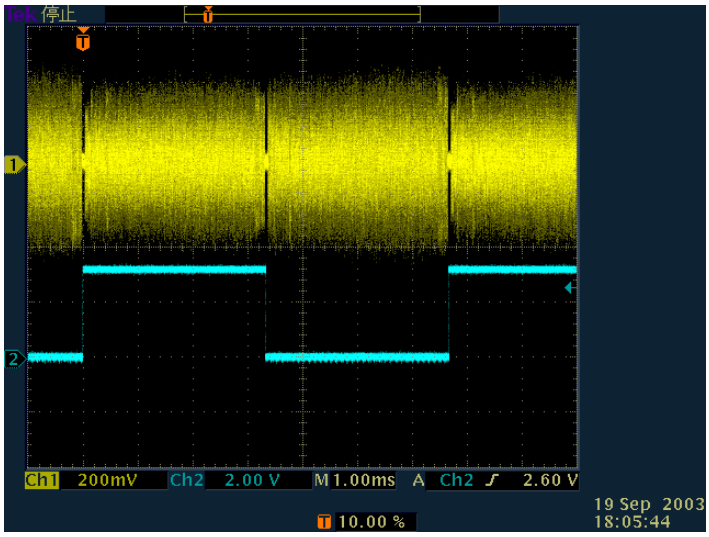


Figure 10-2

TP6301	R/P-ENVELOPE Signal (F8 : RF Board)
TP233	R/P-HSW Signal (F7 : SERVO Board)
TP30	CTL Signal (F7 : SERVO Board)
TP200	CUE Signal (F1 : AUDIO Board)

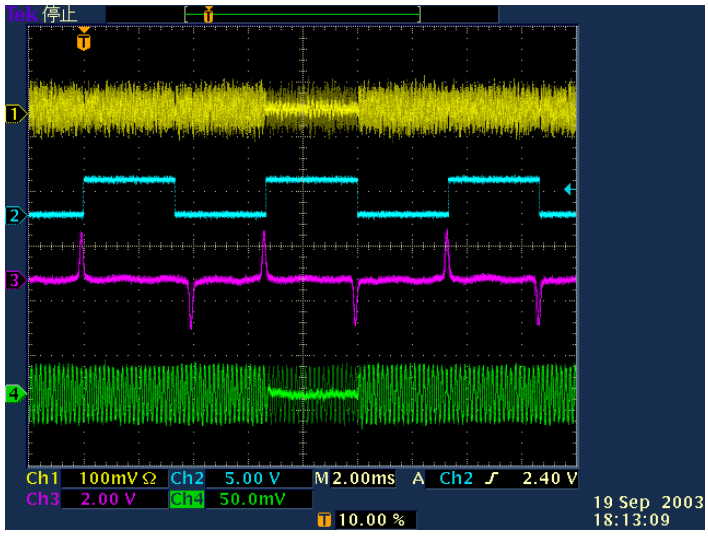
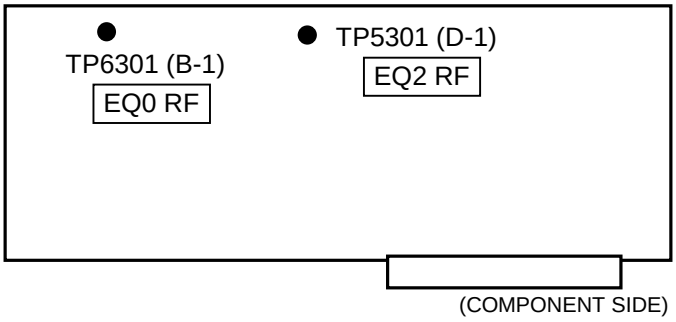
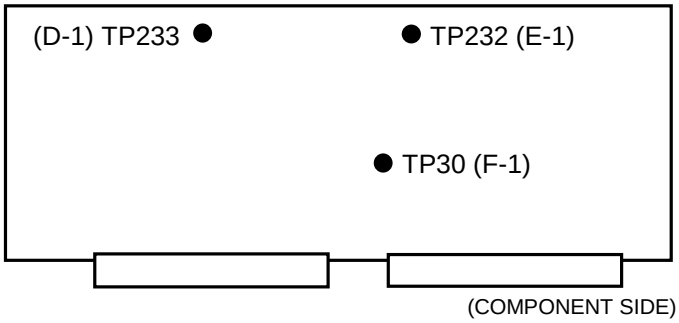


Figure 10-3 for A/C HEAD Horizontal position

F8: RF/EQ Board



F7: SERVO Board



F1: AUDIO Board

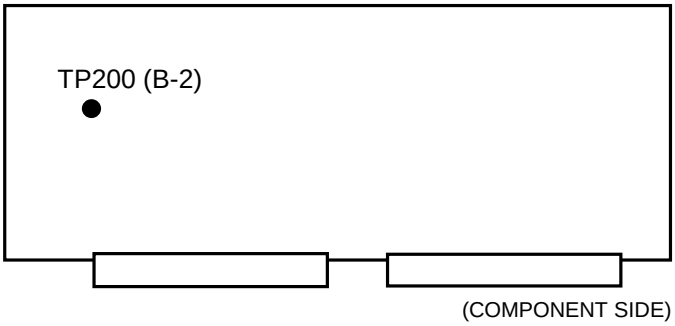
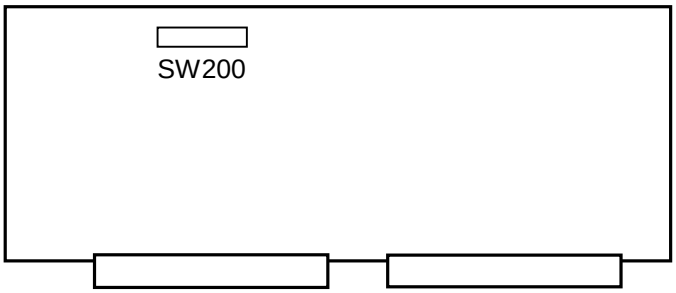


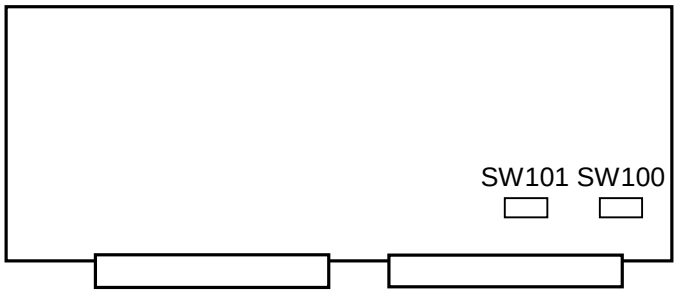
Figure 10-4

< LOCATION OF INTERNAL SW >

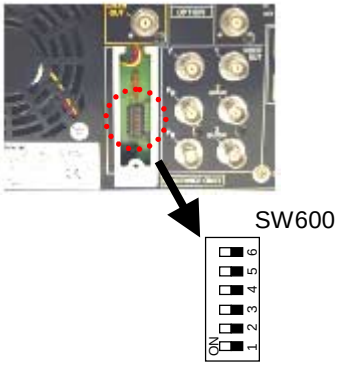
F6: SYSCON Board



F1: AUDIO Board



Rear Jack Panel (AV JACK)



11. INTERNAL SWITCH SETTING METHOD

The switches setting on each circuit board are shown below.

<table>
<tr><th>BOARD</th><th>Ref No</th><th>SW</th><th>FACTORY SETTING</th><th>FEATURE</th></tr>
<tr><td rowspan="2">F1: AUDIO</td><td>SW100</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH1</td></tr>
<tr><td>SW101</td><td></td><td>HIGH</td><td>Audio input impedance setting (600Ω/ HIGH) for CH2</td></tr>
<tr><td rowspan="8">F6: SYSCON</td><td rowspan="8">SW200</td><td>1</td><td>AJ-SD755E : OFF
AJ-D755MC : OFF
AJ-SD755P : ON</td><td>525/625 Select
OFF: AJ-SD755E / D755MC
ON: AJ-SD755P</td></tr>
<tr><td>2</td><td>OFF</td><td>NOT USED</td></tr>
<tr><td>3</td><td>OFF</td><td>NOT USED</td></tr>
<tr><td>4</td><td>OFF</td><td>OFF: normal
ON: Factory use</td></tr>
<tr><td>5</td><td>OFF</td><td>OFF: normal
ON: Factory use</td></tr>
<tr><td>6</td><td>OFF</td><td>OFF: normal mode
ON: Test mode
<INNER/OUTER/CONCEAL>
DIPSW6 ON & TC SW=TC
→INNER/OUTER/CONCEAL=ON/OFF/OFF
DIPSW6 ON & TC SW=CTL
→INNER/OUTER/CONCEAL=OFF/OFF/OFF
DIPSW6 ON & TC SW=UB
→INNER/OUTER/CONCEAL=ON/ON/OFF
DIPSW6 OFF & Don't Care
→INNER/OUTER/CONCEAL=ON/ON/ON</td></tr>
<tr><td>7</td><td>OFF</td><td>HEAD SELECT for Error rate checking.
DIPSW 6/7= ON/OFF→HEAD SELECT = PB SELECT
ON/ON→HEAD SELECT=RP SELECT</td></tr>
<tr><td>8</td><td>OFF</td><td>SLOW/FAST MODE SW for Error rate checking
DIPSW 6/8= ON/OFF→FAST MODE
ON/ON→SLOW MODE</td></tr>
<tr><td>AV JACK</td><td>SW600</td><td colspan="3">There are 2 ways to select the PLD when the software is updated as follows;
(1) Selection by Service Menu (refer to INF-27)
(2) Selection by SW600
The selection by Service Menu is recommended.
However the selection by SW600 is useful when the selection by Service Menu can not be done. For example, if the software upgrade of PLD of V OUT P.C.B. (REC/PB P.C.B.) is not completed well, PLL circuit doesn't work well.
Hence Service Menu doesn't become available. In this case, try the software version up of PLD by selecting SW600.

<table>
<tr><th></th><th>SW1</th><th>SW2</th><th>SW3</th><th>SW4</th><th>SW5</th><th>SW6</th></tr>
<tr><td>PLD is selected by Service Menu.
(Factory setting)</td><td>OFF</td><td>---</td><td>OFF</td><td>OFF</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F2A) V IN is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F2B) A PROC is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>OFF</td><td>ON</td></tr>
<tr><td>PLD on (F3B) SDTI/1394 is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>ON</td><td>OFF</td></tr>
<tr><td>PLD on (F4) REC PB is selected</td><td>ON</td><td>---</td><td>ON</td><td>OFF</td><td>ON</td><td>ON</td></tr>
<tr><td>PLD on (F5) V OUT is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>OFF</td><td>OFF</td></tr>
<tr><td>PLD on (F6) SYSCON is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>OFF</td><td>ON</td></tr>
<tr><td>PLD on (F1) AUDIO is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>ON</td><td>OFF</td></tr>
<tr><td>PLD on (F7) SERVO is selected</td><td>ON</td><td>---</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td></tr>
<tr><td>PLD on (F3A) SDI is selected</td><td>ON</td><td>---</td><td>OFF</td><td>ON</td><td>ON</td><td>ON</td></tr>
</table>
* FACTORY Setting of SW2 is also OFF.</td></tr>
</table>

* Location of internal SW is described in previous page.

12. SOFTWARE VERSION UPGRADE METHOD

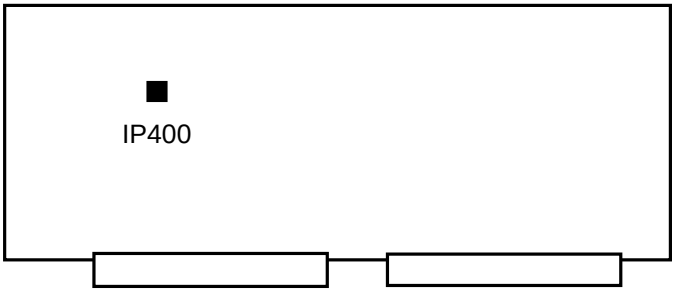
12-1. Microcomputer (FLASH) /PLD Chart

Circuit board name	Name	Ref. No.	PLD maker
F1 : AUDIO	AVCNT_FPGA	IP400 (ROM for FPGA)	ALTERA
F2A : V IN	DEC_CTRL_FPGA	IP950 (ROM for FPGA)	ALTERA
F2B : A PROC	DIFCNT_FPGA	IP351 (ROM for FPGA)	ALTERA
	PCMCNT_FPGA		
F3A : SDI (Option)	SDI_PROC_FPGA	IP503 (ROM for FPGA)	XILINX
F4 : REC PB	REC_PREP_FPGA	IP4100 (ROM for FPGA)	ACTEL
	PB_PREP_FPGA	IP4200 (ROM for FPGA)	
	DV_PROC_FPGA	IP16 (ROM for FPGA)	ALTERA
	IO_VBLK_FPGA		
	RF_PROC_FPGA	IP17 (ROM for FPGA)	ALTERA
	DV_ Microcomputer (FLASH)	IP841	MITSUBISHI
F5 : V OUT	TBC_CTRL_FPGA	IP10 (ROM for FPGA)	ALTERA
	ENC_CTRL_FPGA	IP18 (ROM for FPGA)	ALTERA
F6 : SYSCON	SYSIF_CTRL_FPGA	IP1300 (ROM for FPGA)	ALTERA
	AVSYS_ Microcomputer (FLASH)	IP700	MITSUBISHI
	I/F_ Microcomputer (FLASH)	IP200	MITSUBISHI
F7 : SERVO	CTL/Mechacon PLD	IP300	ALTERA
	SERVO_ Microcomputer (FLASH)	IP201	MEC

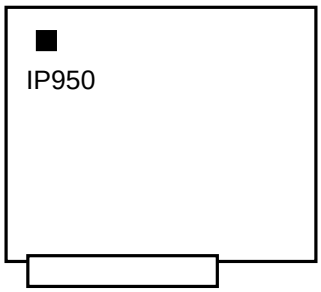
: FLASH

NOTE: F3A: SDI (AJ-YA755G: option)

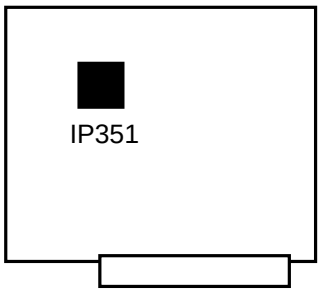
F1: AUDIO Board



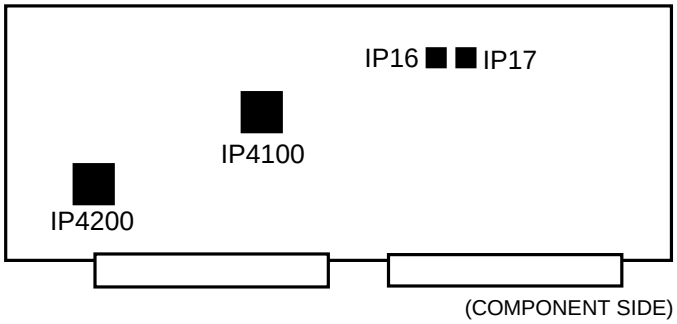
F2A: V_IN Board



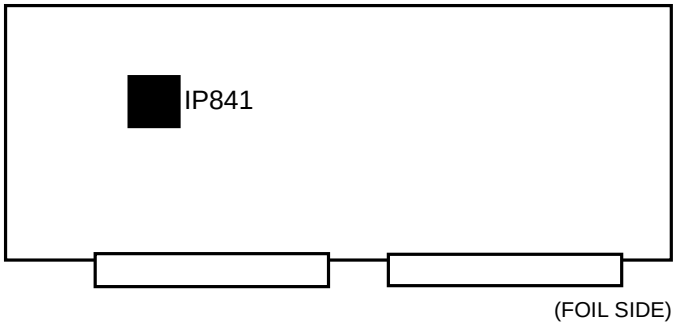
F2B: A_PROC Board



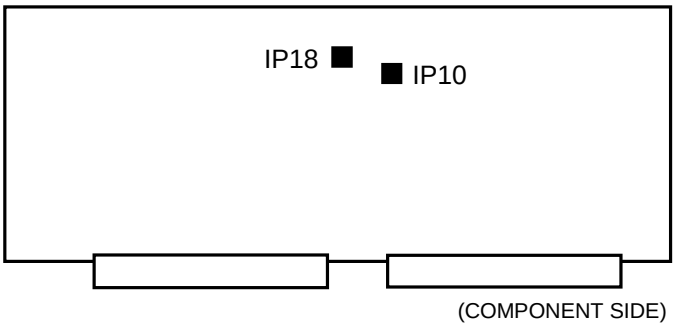
F4: REC_PB Board



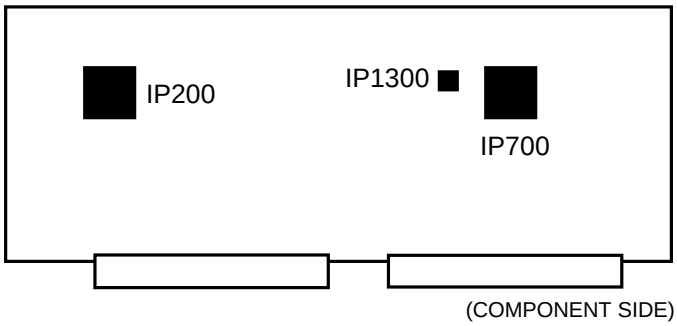
F4: REC_PB Board



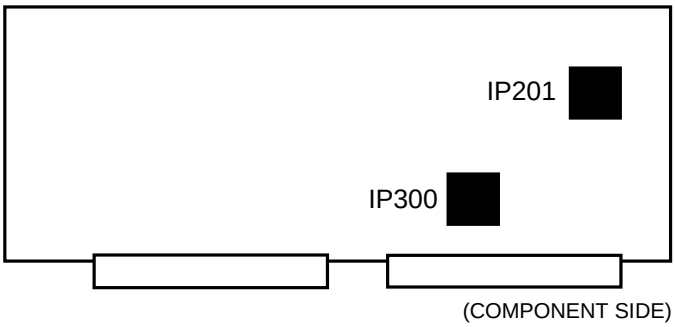
F5: V_OUT Board



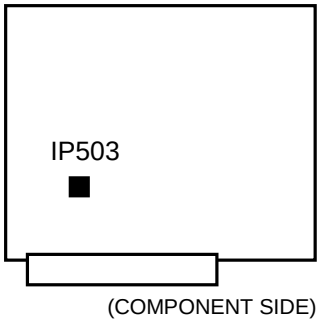
F6: SYSCON Board



F7: SERVO Board



F3A: SDI Board



12-2. Flash ROM Software Version Up Procedure

Connect the VTR with personal computer by RS232C cable (Cross cable) as below. No Hardware tool is required to proceed this version up. (Just software tool is required)

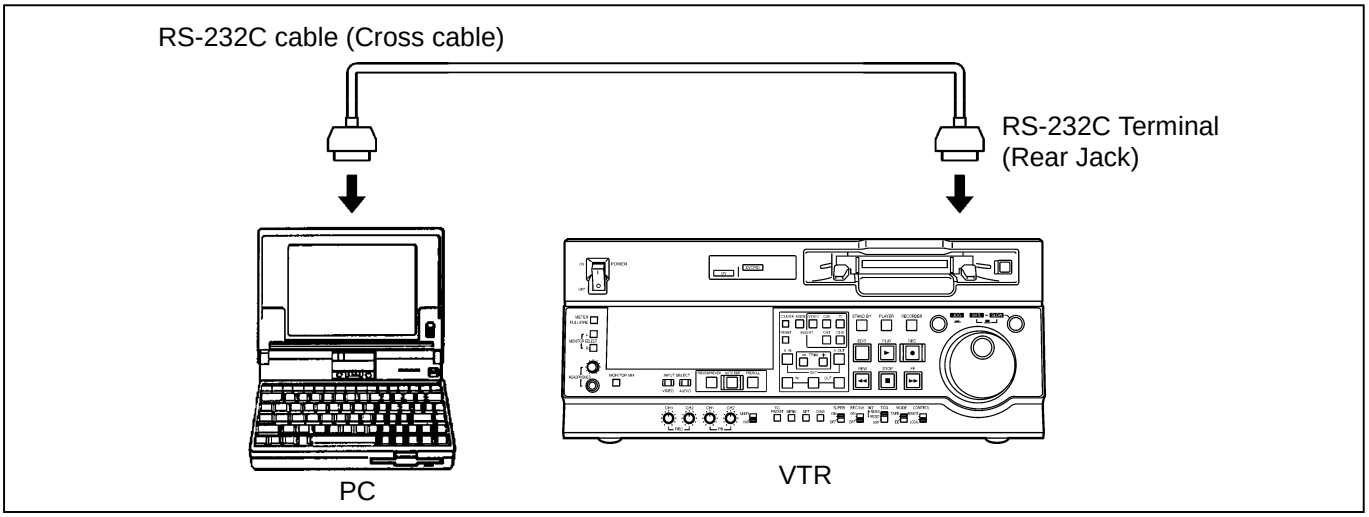


Figure A

1. Prepare a personal computer (Windows95 or 98)
2. Install the version up software VFK**** into the personal computer.
   VFK**** consist of following 4 types of software.

   f_servo.obf
   FW103u.exe
   VSI2312L.exe
   Setting ini

12-2-1. SYSAV, DV and I/F software (Flash ROM).

1. Copy the program software (SYSAV or DV or I/F:VSIXXX.mot) into the personal computer.
2. Turn on the VTR power.
3. Excute the VSI2312L. exe so that the following screen appears.

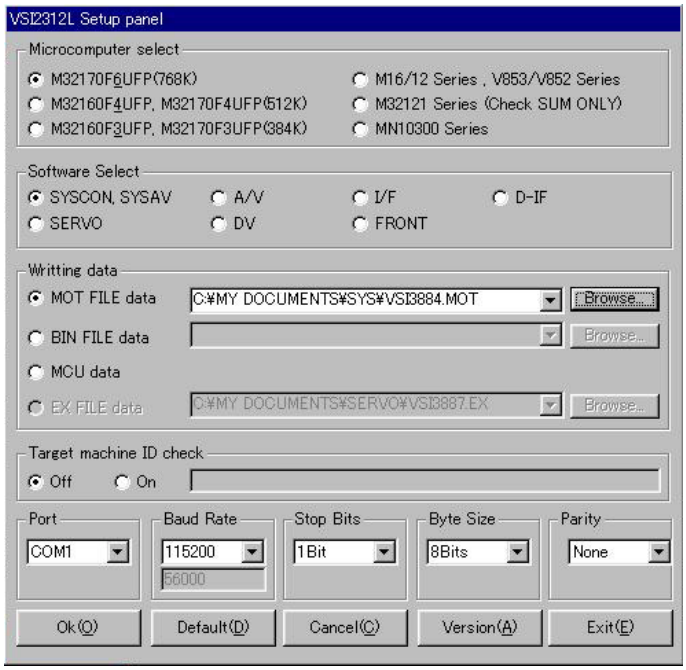


Figure 1

4. Select the each item as below;

Microcomputer select	SYSAV, I/F→M32170F6UFP (768K) DV→M32160F4UFP, M32170F4UFP (512K)
Software select	Target software (SYSAV or DV or I/F)
Writing data	MOT FILE data→ Select the program software (VSIXXX.mot) which was copied at item 1).
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **"OK"** button so that the following screen appears and Check sum is calculated. (refer to figure 2)

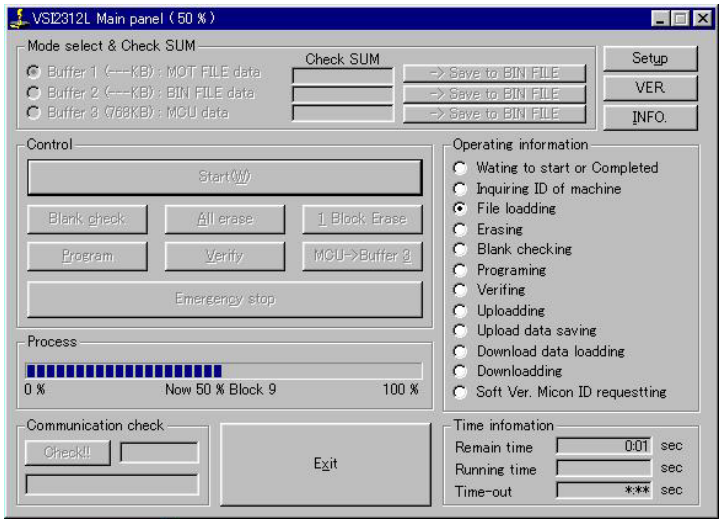


Figure 2

6. Check sum is displayed upper side on the screen after the process of item 5).
7. Press **"Start"** button so that the software programming will start. (refer to figure 3)

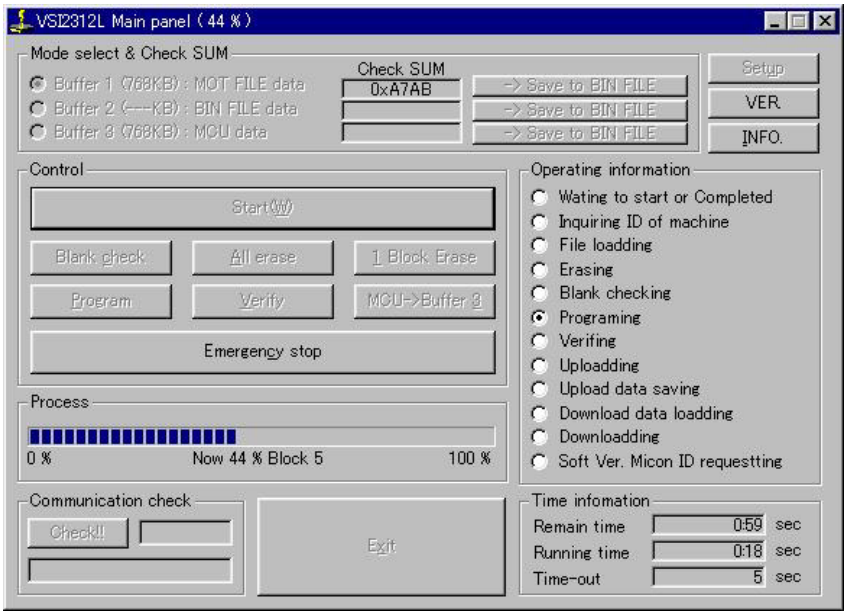


Figure 3

8. Confirm the bar in the Process window reach to 100% that means the software programming complete. (refer to figure 4)

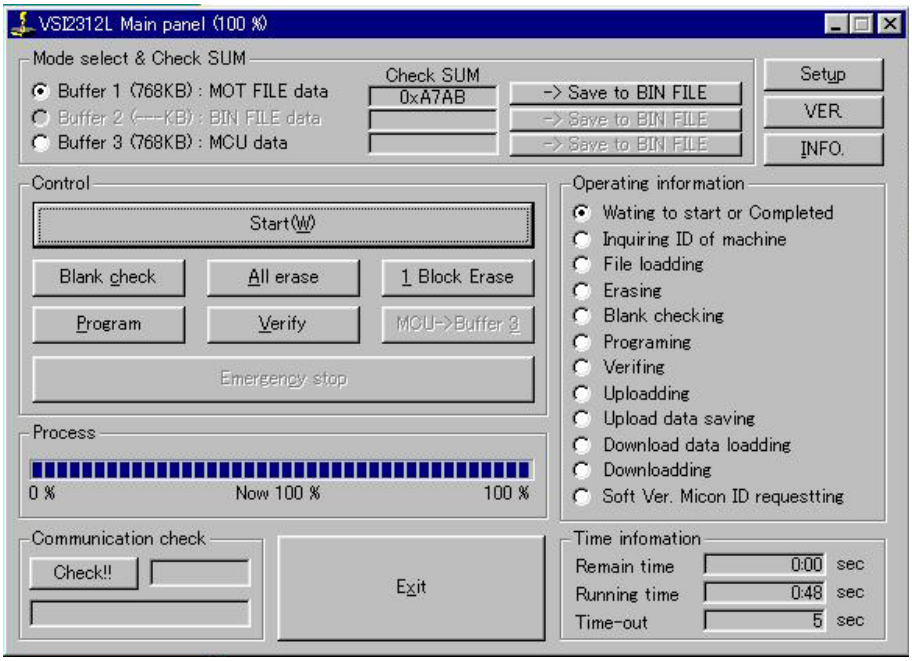


Figure 4

9. Press **"Exit"** button to end the program.

* If the error occurs during above process, repeat the process from item 7).

10. Turn off and on the power of VTR in order to reboot the machine.
11. Confirm that software version is updated.

12-2-2. SERVO software (Flash ROM).

1. Copy the Servo program software (VSIXXX.ex) into the personal computer.
   For your reference, an extension of Servo program software is different from others such as SYSAV, DV and I/F.
2. Turn on the power.
3. Excute the VSI2312L. exe so that the following screen appears.

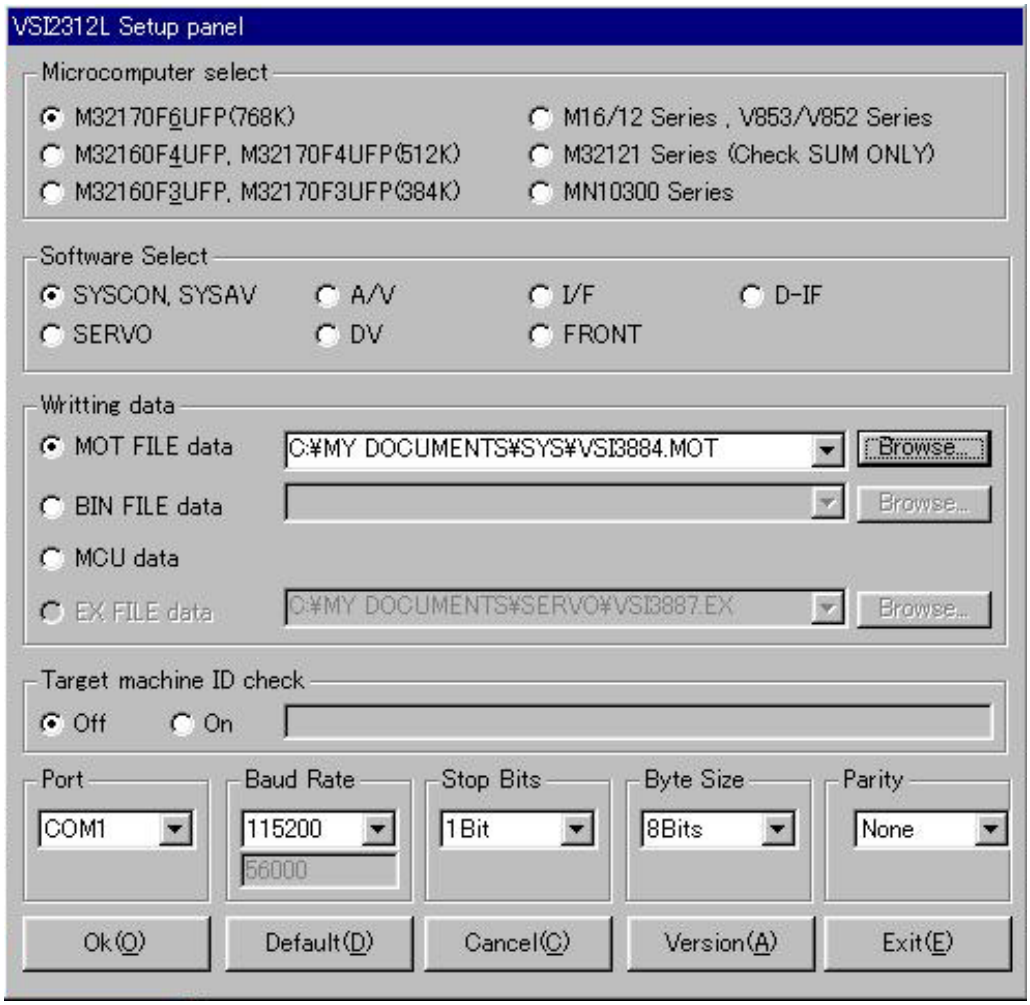


Figure 1

4. Select the each item as below;

Microcomputer select	MN10300 Series
Software select	SERVO
Writing data	EX FILE data →Select the Servo program software (VSIXXX.ex) which was copied at item 1)
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **“OK”** button so that the following screen appears Check sum is not calculated. (refer to figure 5)

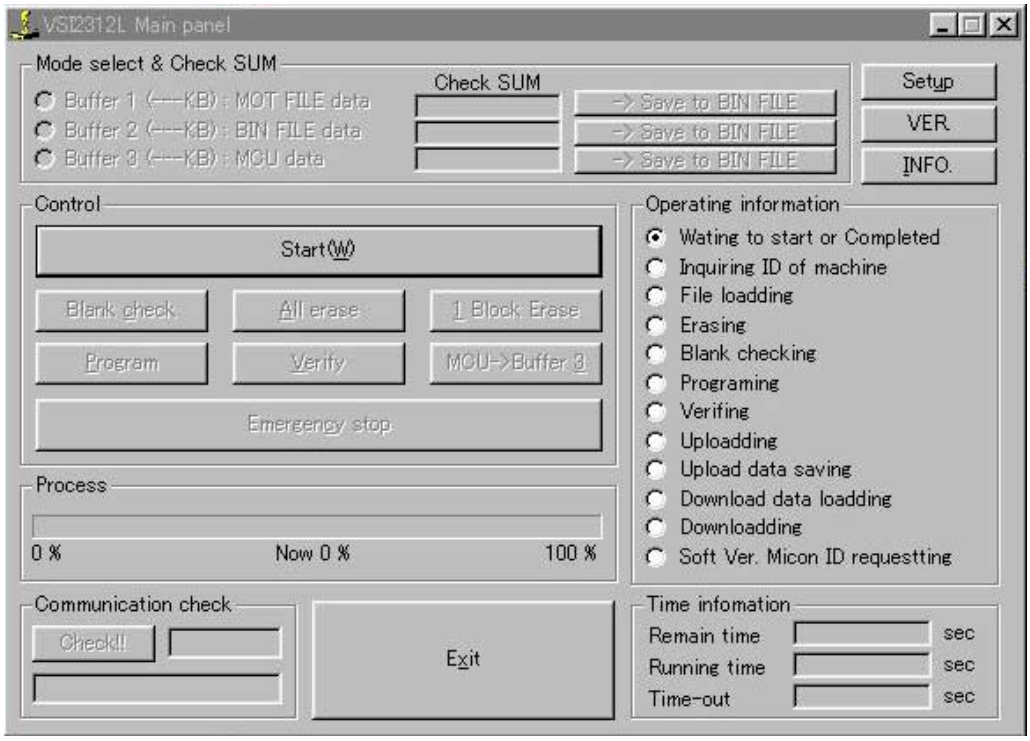


Figure 5

6. Press **“Start”** button so that the following comment appears in the MS DOS screen. (refer to figure 6)

“Do you continue? Y/N>

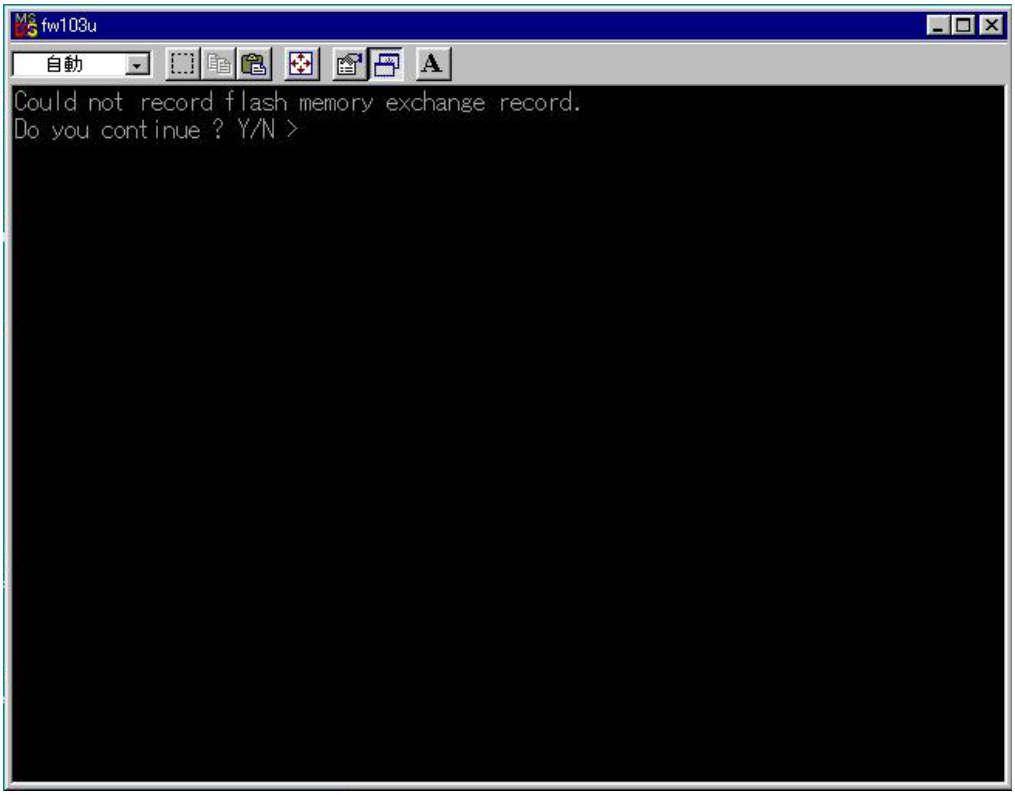


Figure 6

7. Select **“Y”** and press **“Enter”**, then the program will start. (refer to figure 7)

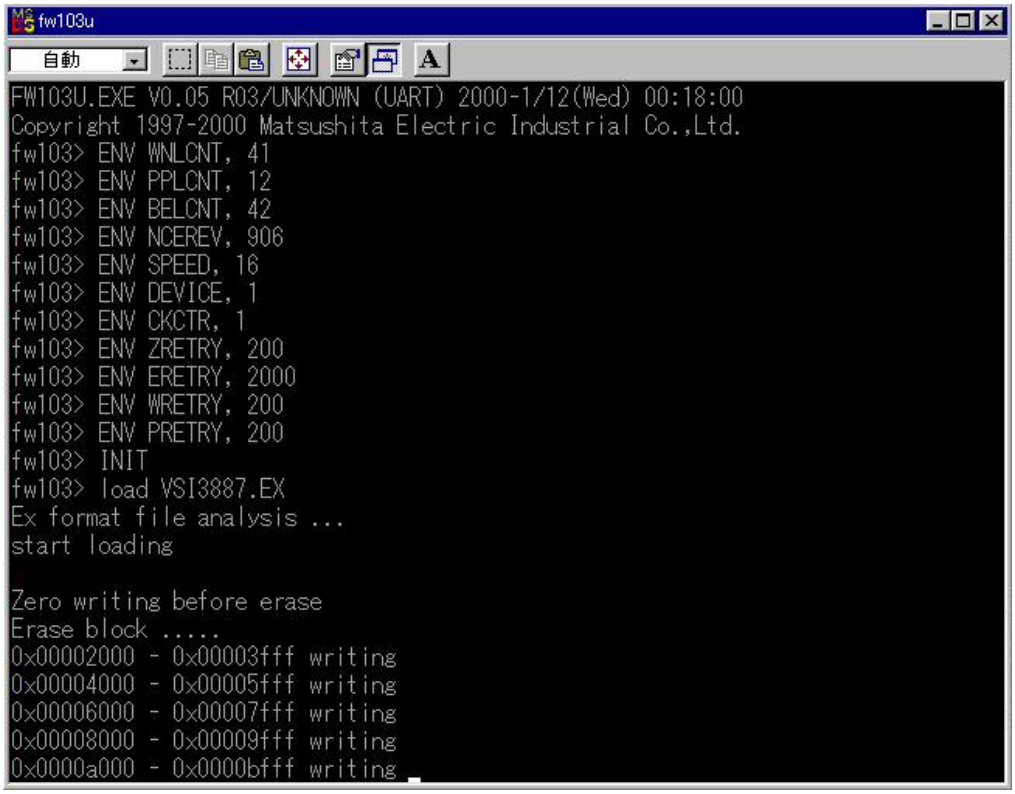


Figure 7

8. The screen display of MS-DOS changes to Windows screen after the programming complete.
9. Press **“Exit”** button to end the program.
10. Turn off and on the power of VTR in order to reboot the machine.
11. Confirm that software is updated.

12-3. PLD Version Upgrade Procedure

This Model uses **PLDs**. At the time of a version upgrade, use the special tool, connect to PLD Connector on the rear panel, and use the PLD writing software. (Pleare refer to the Microcomputer / PLD chart (INF-20)).

12-3-1. PLD Version up Method (ALTERA)

A. Preparation

ITEM	REMARK
CPLD WRITER	VFK1590 VFK1590P2 (VFK1590 standard)
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	MAX+plus II Software ver9.6 or over ver9.6 (Please access to www.altera.com/support/software/download/sof-download_center.html) and select **"ASAP 2"** in programming software portion in order to download it.
File NAME	jcf File (Included in "vvvsi xxxx" file). (Copy all files of the VVVSI**** which is included " *.jct " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

B. Connection

1. Connect the D-sub Cable between CN201(for ALTERA) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P2) between the connector at Rear Jack (refer to below) and P2 connector of CPLD WRITER. (Refer to Chart of PLD Writer and Figure 12-3-1.)
3. Turn on this model and Personal Computer (Windows mode).

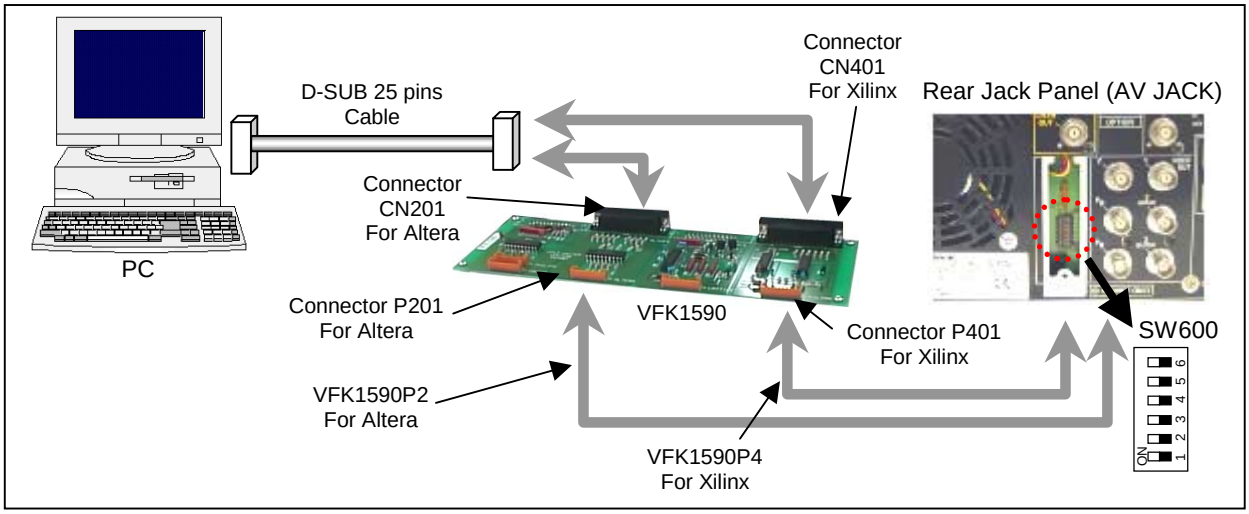


Figure 12-3-1 Connection for CPLD writer

C. Menu Select

1. Target PLD is selected by H08: PLD WR SEL in Other in Service Menu (Refer to Figure 1).

(reference)
The selection by DIP SW also can be done.
(refer to INF-19)

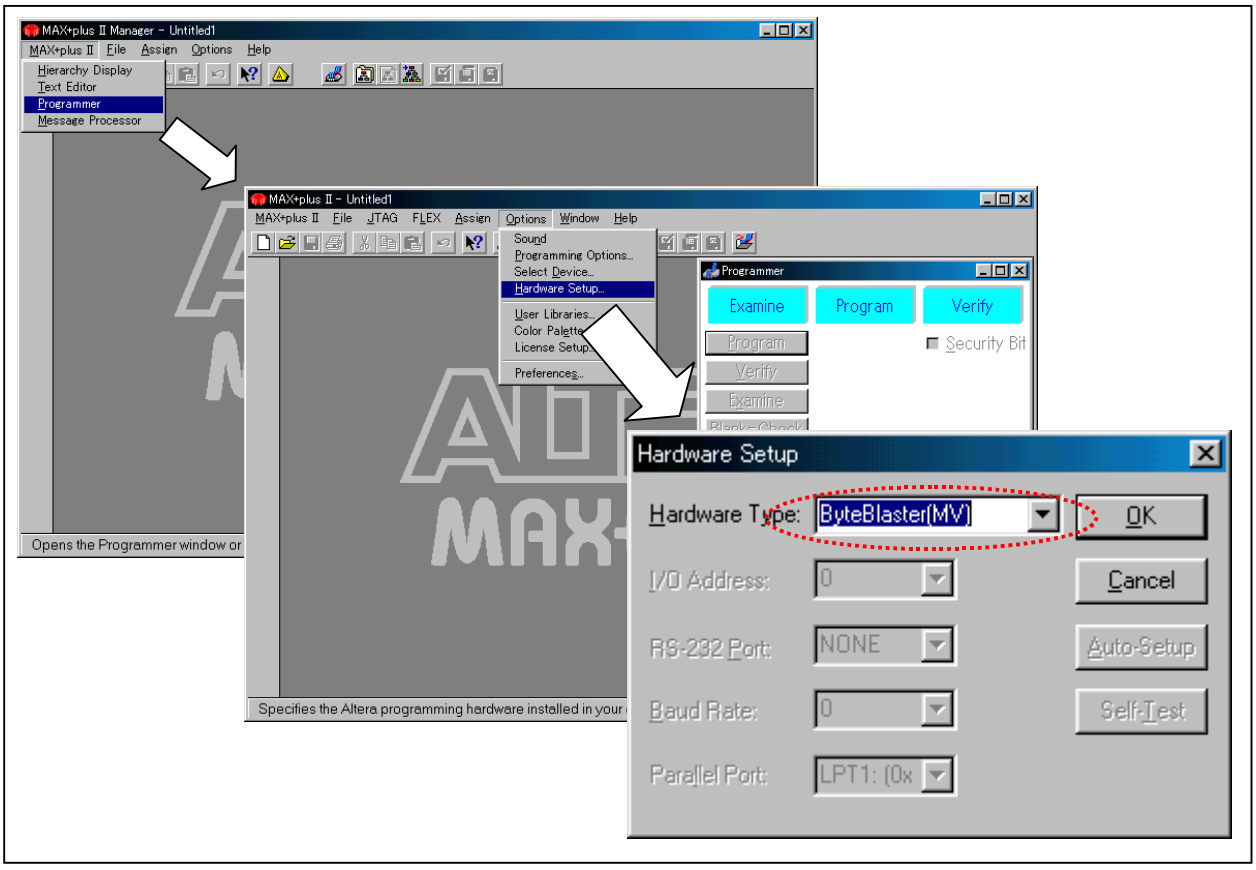
```
SERVICE –MENU : OTHER
              NO. H08

      H01   STILL LIMIT
      H02   LTC OUT SEL
      H03   SYSTEM TYPE
      H07   DET DISCOUNT
*     H08   PLD WR SEL
```

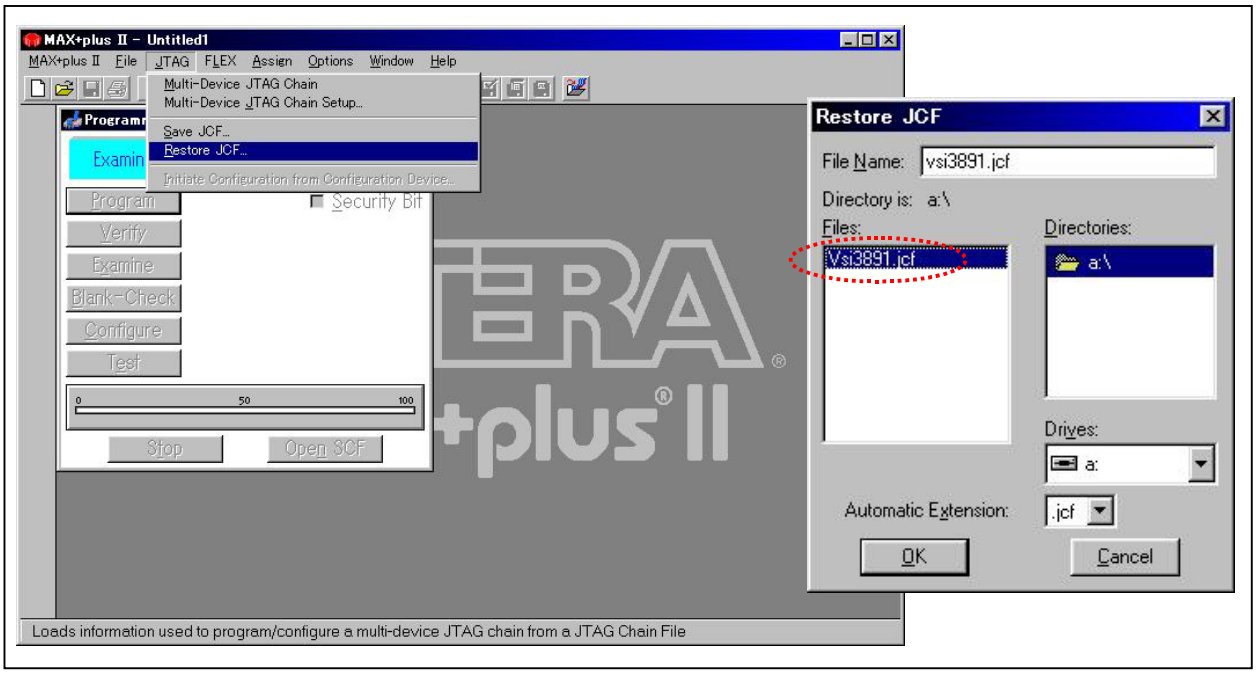
Figure 1

D. Boot up the Ver. up Software and Ver. up Procedure

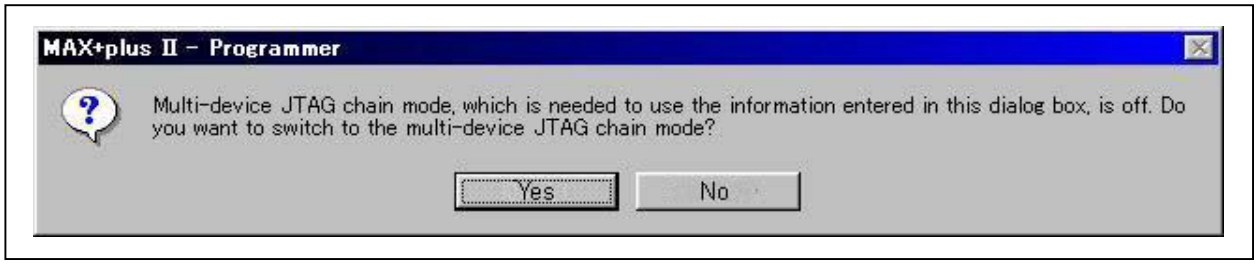
1. Insert floppy disk (which is included all files of the VVVSI***) to floppy drive.
2. Select **"start button"** on the Windows Screen and then **"Program"** and then boot up the **"MAX+plus II *** programmer only"** so that the following menu appears.
3. On main window, select tab **"MAX+plus II"** and then **"Programmer"**.
4. On main window (Programmer window is displayed), select tab **"Option"** and then **"Hardware Setup"**.
5. On **Hardware Setup** dialog, set the **"Hardware Type"** to **"Byte Blaster (MV) "**.



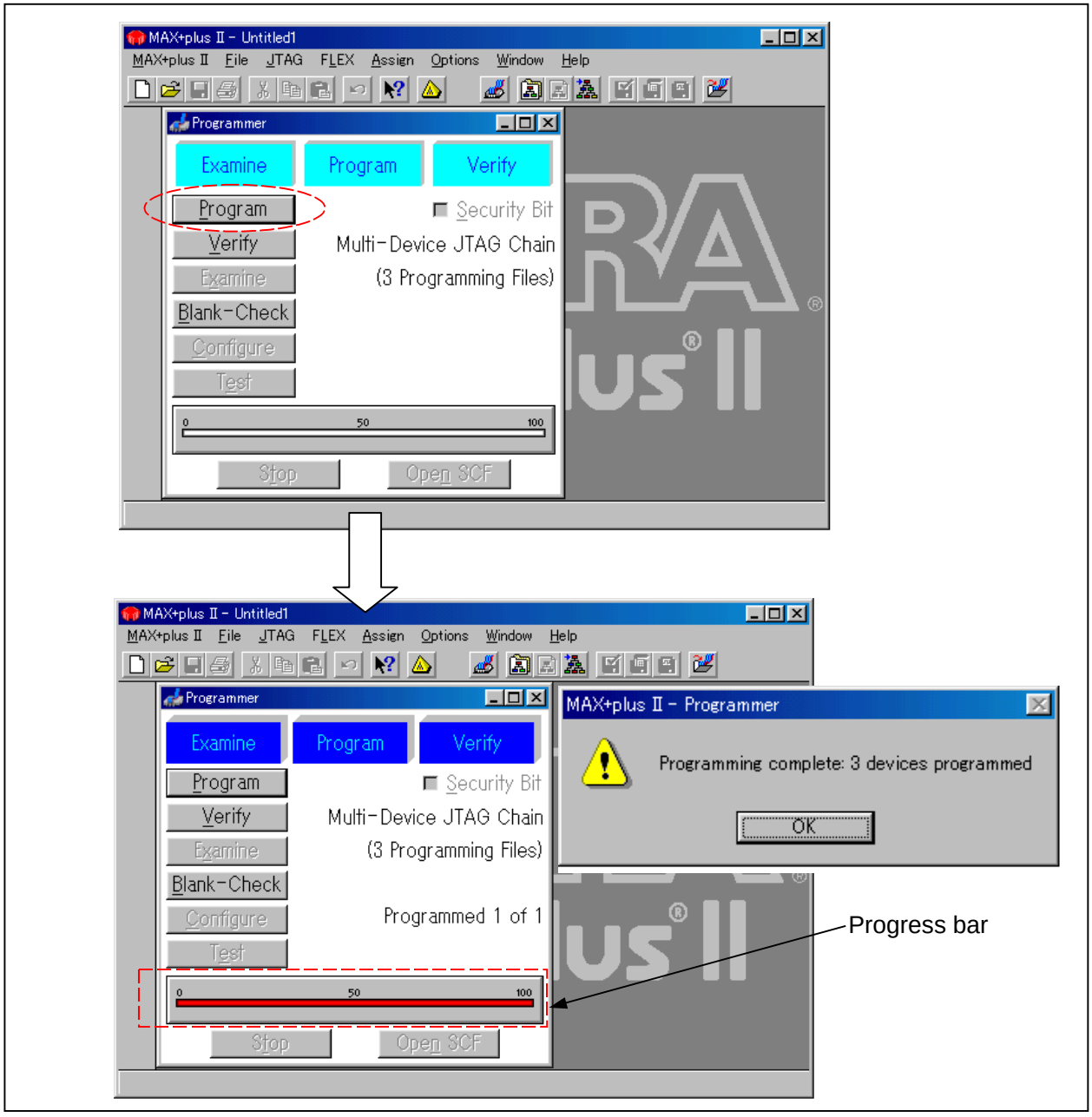
6. On main window, select tab **"JTAG"**, and then select **"Restore JCF…"**.
7. Select the floppy drive and then, select the **"jcf format file (***.jcf) on dialog box of Restore JCF"** and then press **"OK"** button.



8. If the following message appeared, Press **"Yes"** button.



9. Click the **"Program"** button on Programmer dialog.
10. When Progress Bar reaches at point of **100**, the message "Programming Complete" appears, then PLD version upgrade is completed. Click **"OK"** button on the **Programming complete** message Dialog.
11. Confirm that PLD version of VTR is updated. (refer to INF-10)



* MAX+PLUS are registered trademarks of Altera Corporation.

* Windows95 and Windows98 are registered trademarks of Microsoft Corporation.

12-4. PLD Version Upgrade Procedure for AJ-YA755G.

12-4-1. PLD(FPGA) Version up Method (XILINX)

A. Preparation

ITEM	REMARK
C PLD WRITER	VFK1590 VFK1590P4 (VFK1590 standard)
25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter
Version Upgrade Software	XILINX WebPACK ISE Programmer (iMPACT) Software Please download from the following URL http://www.xilinx.com/support/download.htm 1. Open this page and then select "WebPACK ISE". 2. Before downloading, registration is required to get ID and Password. 3. After registration, click "Download ISE WebPACK" button. 4. Select "CUSTOM" in "Typical Download Configurations" menu. 5. Check **"FPGA Prog."** in "Custom Design Configuration" page. 6. Click Download button. 7. Follow the instruction of next page.
Version Upgrade Data	cdf File (Included in VVVSI**** file). (Copy all files of the VVVSI**** which is included " *.cdf " file to floppy disk)
Personal Computer	WINDOWS 95® or 98®

B. Connection and Preparation

1. Connect the D-sub Cable between CN401(for XILINX) connector of the CPLD WRITER (VFK1590) and Personal Computer (Printer port).
2. Connect the CPLD WRITER Cable (VFK1590P4) between PLD version up connector on the rear jack panel and P401 connector of CPLD WRITER. (Refer to Figure 12-3-1.)
3. Turn on the VTR and Personal Computer (Windows mode).

C. Menu Select

1. Target PLD is selected by H08: PLD WR SEL in Other in Service Menu (Refer to Figure 1).

```
SERVICE –MENU : OTHER
                NO. H08

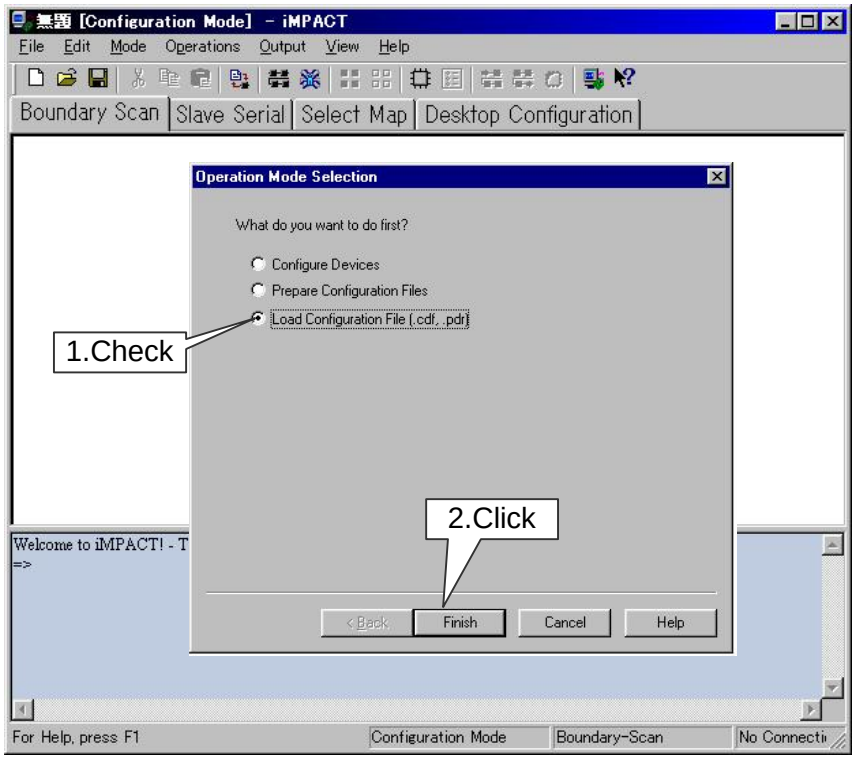
      H01   STILL LIMIT
      H02   LTC OUT SEL
      H03   SYSTEM TYPE
      H07   DET DISCOUNT
*     H08   PLD WR SEL
```

Figure 1

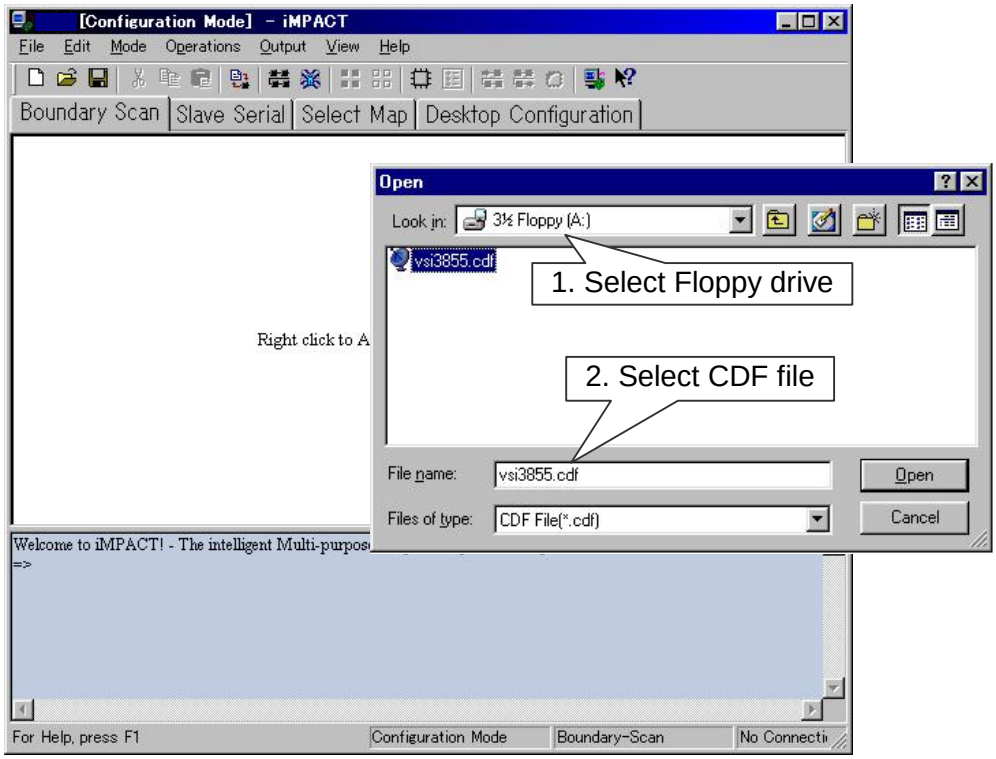
(reference)
The selection by DIP SW also can be done. (refer to INF-19)

D. Boot up the Ver. Up Software and Ver. up Procedure

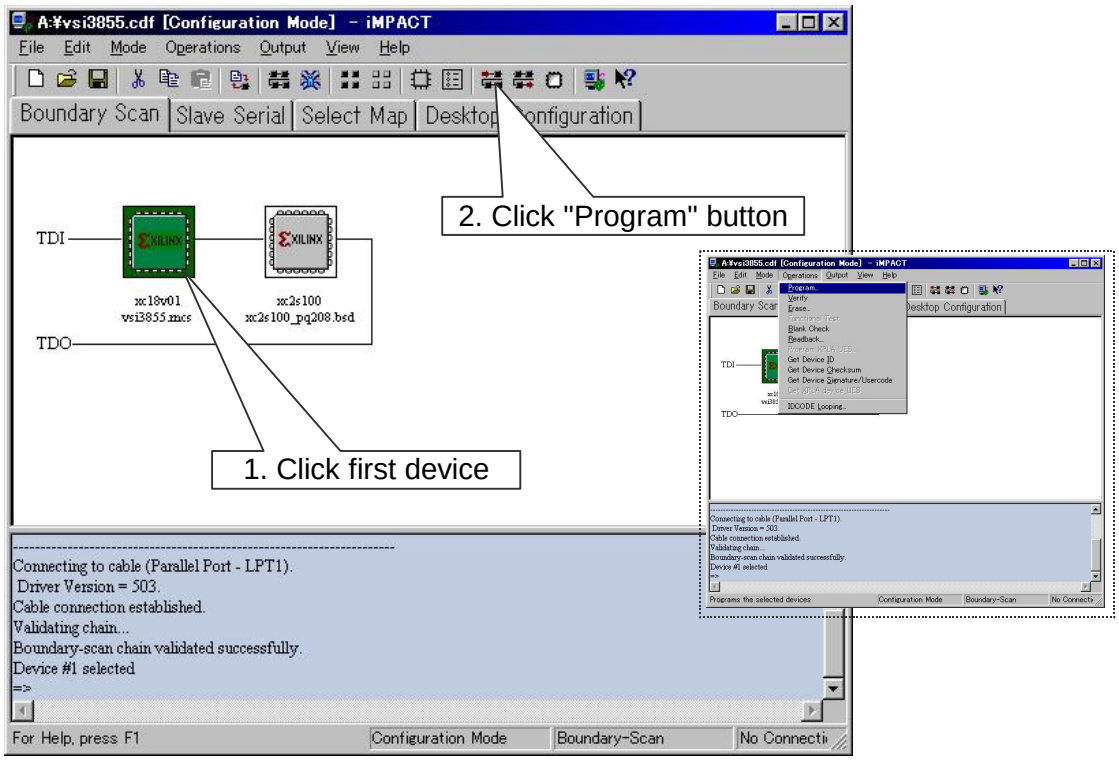
1. Insert floppy disk (which is included all files of the VVVSI***) to floppy drive.
2. Install the WebPACK ISE program. “Xilinx Webpack” folder is created on windows.
3. Click the start button of windows and select "Program" and “Xilinx Webpack”.
4. Select the "Device Programer" and then following screen appears.
5. Check the "Load Configuration Files", and click "Finish" button.



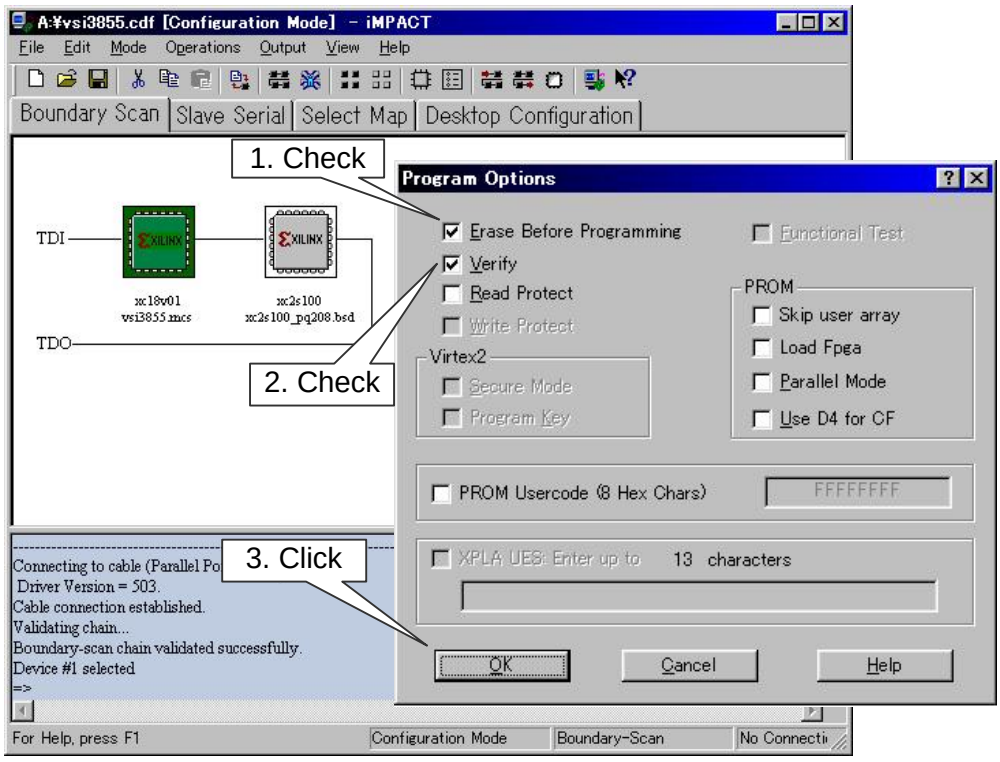
6. Select the floppy drive and then select the **“ *.cdf ”** file.
   (CDF is **C**hain **D**escription **F**ile, This file can write several CPLDs on the same board like a chain.)
7. Click the **“Open”** button.



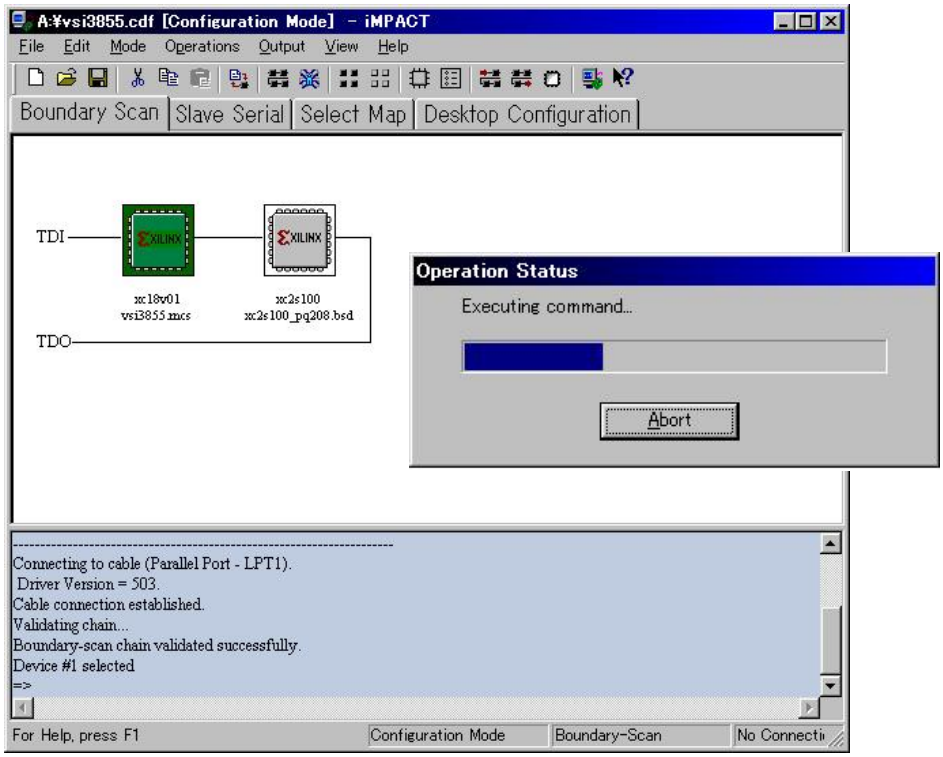
8. Click the first device (change the colour to green) then click the **"program"** button to open the **"Program Options"** dialog box or select **"Operations"** in the menu then select **"Program"**.



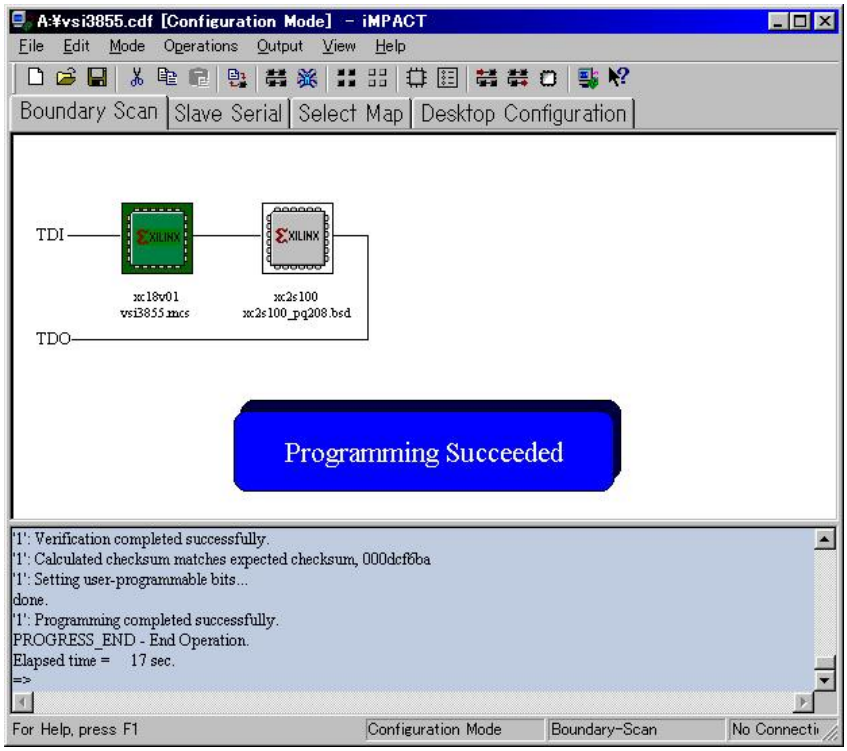
9. Check the **"Erase Before Programing"** and **"Verify"** in the dialog box of Program Options.



10. Then click **"OK"** button to start the programing and verifying.



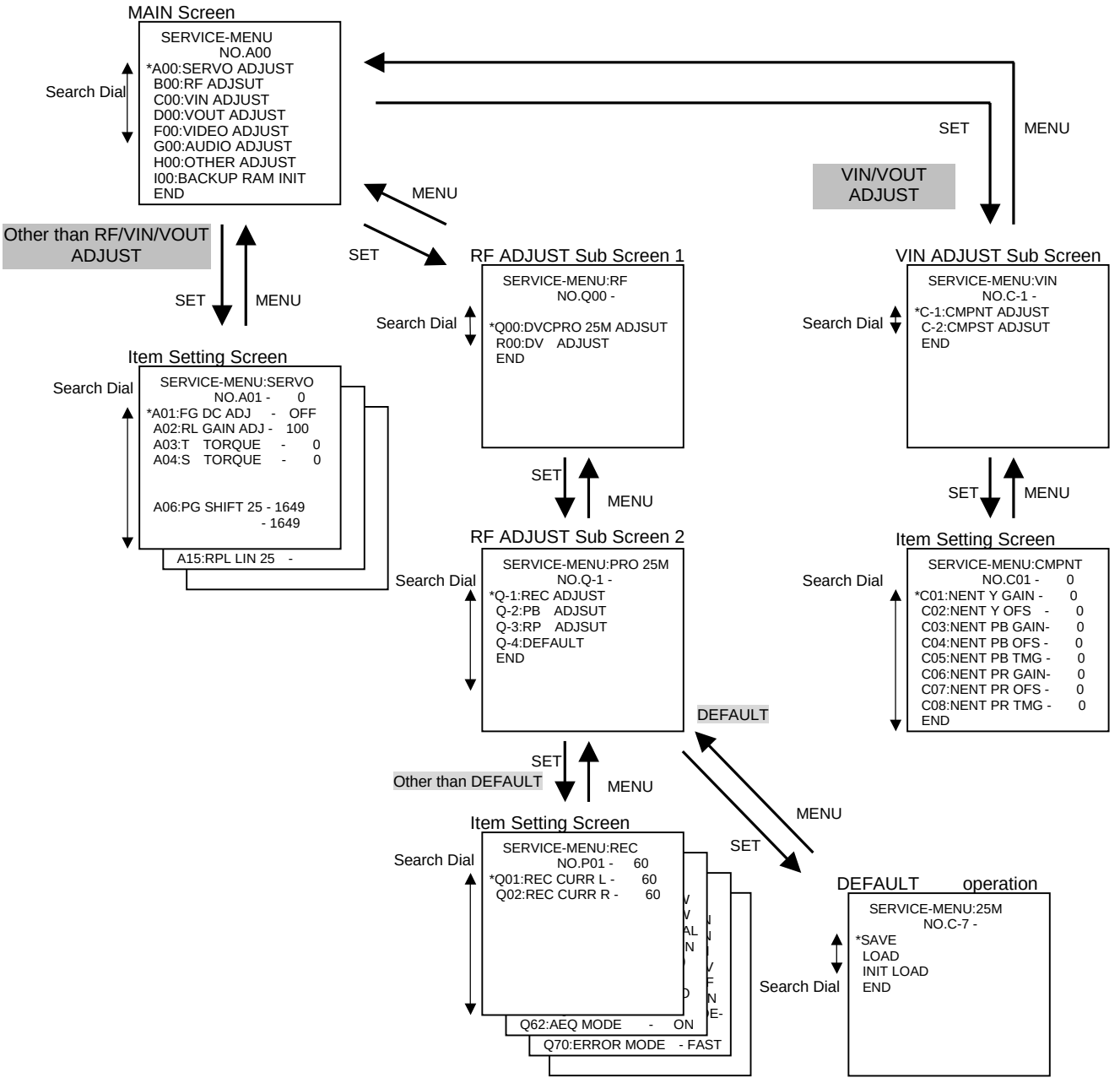
11. When the programming is completed, The following dialog is appeared.
12. Confirm that PLD version of VTR is updated. (refer to INF-10)



13. SERVICE MENU

13-1. Service Menu Operation Method

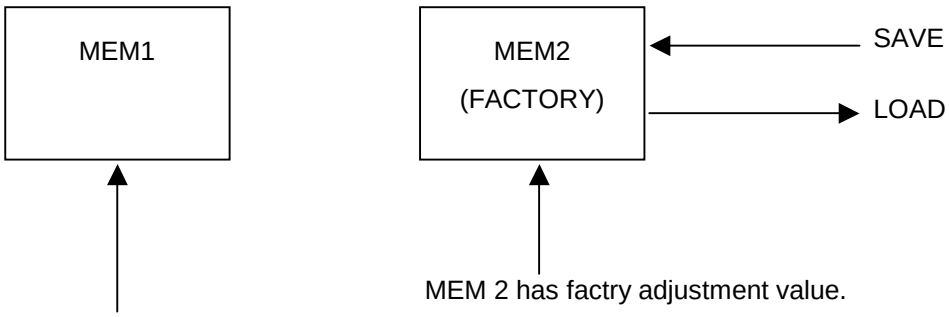
1. Confirm that the **"REMOTE/LOCAL"** switch on the front panel is set to the **"LOCAL"**.
2. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
3. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then, the **"SERVICE-MENU"** is displayed.
4. Move the cursor **" * "** with the Search Dial to select any main item among items from A00 to I00. PUSH the set button to move into Sub Screen.
5. If any of main items **(A00, F00, G00, H00, I00)** other than the RF adjustment **(B00)**, the V IN adjustment **(C00)** and the V OUT adjustment **(D00)** is selected, the **item setting screen** of the selected main item is displayed by pressing the **"SET"** button on the front panel.
6. For the RF adjustment **(B00)**, the V IN adjustment **(C00)** and the V OUT adjustment **(D00)**, select the item on the **Sub Screen**, and then, press the **"SET"** button. Then, the item setting screen of the selected item is displayed.
7. Settings can be altered by rotating the Search Dial while Search button is pushed.
8. Press Menu button to end Service mode.



13-2. DEFAULT Operation

*** RF adjustment (B00)**

The VTR have two memory area for the adjustment value as indicated below.



MEM 1 is always renewed in accordance with the adjustment value on the RF and EQ adjustment menu.

*** Operating procedures**

1. Move the cursor **" * "** onto the **"Q-4/R-4 : DEFAULT"**.
2. press the **"SET"** button on the front panel.
3. Select the objective item by rotating Search Dial **" * "** onto the objective item.

   SAVE : The present setting is saved to MEM 2 as the factory adjustment.

   LOAD : The saved backup value can be loaded to MEM 1 as the current setting.

   INIT LOAD : The default value is loaded to MEM 1.
   The default value is different from the factory adjustment value.

4. Press the **"SET"** button on the front panel. Then, the selected operation is carried out, and then, the item setting screen is displayed again.

13-3. Service Menu Contents

A00: SERVO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK-UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
A01	FG DC ADJ	0 1 2 3 4 5	OFF OK CAP NG SRL NG TRL NG	Automatic adjustment of the DC offset of the capstan, S/T-Reel FG.	Yes	
A02	RL GAIN ADJ	T REEL 0 | 100 | 255	T REEL 0 | 100 | 255	Automatic adjustment of the reel torque of the S/T-Reel.	Yes	
		S REEL 0 | 100 | 255	S REEL 0 | 100 | 255			
A03	T TORQUE	-128 | 0 | 127	-128 | 0 | 127	Compensation of the T-reel driver offset value	Yes	
A04	S TORQUE	-128 | 0 | 127	-128 | 0 | 127	Compensation of the S-reel driver offset value	Yes	
A06	PG SHIFT 25	RISE 0 | 1649 | 4095	RISE 0 | 1649 | 4095	Alignment tape is used for PG mono-multi automatic adjustment.	Yes	
		FALL 0 | 1649 | 4095	FALL 0 | 1649 | 4095			
A07	T PHOTO		Voltage value 0.0V | 3.3V	Indication of the detection voltage of the photo sensor for beginning and end detection on the T-side This is used for adjustment of the sensitivity of the photo sensor.	No	
A08	S PHOTO		Voltage value 0.0V | 3.3V	Indication of the detection voltage of the photo sensor for beginning and end detection on the S-side This is used for adjustment of the sensitivity of the photo sensor.	No	
A09	TENSION	0 1	Non-display ON	Loading operation for tension offset adjustment	No	
A11	X VALUE 25	-128 | 0 | 127	-128 | 0 | 127	Electrical fine adjustment of the X-value	Yes	
A14	RP GAIN 25	-128 | 0 | 127	-128 | 0 | 127	LISTA sensitivity adjustment for RPL1/RPL2 head	Yes	
A15	RP LIN 25	0 1	Non-display ON	Adjustment of the Lista linearity for RPL1/RPL2 head	No	

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
A17	PB GAIN 25	-128 | 0 | 127	-128 | 0 | 127	LISTA sensitivity adjustment for PBL1/PBL2 head	Yes	
A18	RP GAIN DV	-128 | -60 | 127	-128 | -60 | 127	LISTA sensitivity adjustment for RPR1/RPR2 head	Yes	
A20	TRK VAL 25	-128 | 0 | 127	-128 | 0 | 127	The CTL tracking offset value can be changed	No	

B00: RF ADJUST

RF ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
Q00	DVCPRO 25M ADJUST	Adjustment for DVCPRO (25 Mbps)
R00	DV ADJUST	Adjustment for DV

DVCRRO 25M ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
Q-1	REC ADJUST	Adjustment of the recording system for DVCPRO (25 Mbps)
Q-2	PB ADJUST	Adjustment of the playback system (PB head) for DVCPRO (25 Mbps)
Q-3	RP ADJUST	Adjustment of the playback system (RP head) for DVCPRO (25 Mbps)
Q-4	DEFAULT	LOAD/SAVE of the factory default adjustment values/initial values LOAD operation • Perform operation in regard to the adjustment values for DVCPRO (25 Mbps). Operation: 1. Move the cursor to Q-4: DEFAULT and press “set” button. 2. Turn the search dial button and move the cursor to the desired operation item. SAVE ... Save the present set values as the factory default values. LOAD ... Load the saved factory default values as the present set values. (When SAVE operation has not been performed, the initial values will be loaded.) [INIT LOAD ... Load the initial value (which designer decide) as the present set values.] 3. When the SET button is pressed, the selected operation will be performed and it will return to the item setting screen. When the MENU button is pressed, no operation will be performed and it will return the item setting screen.

DV ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
R-1	REC ADJUST	Adjustment of the recording system for DV.
R-3	RP ADJUST	Adjustment of the playback system (RP head) for DV
R-4	DEFAULT	LOAD/SAVE of the factory default adjustment values/initial values LOAD operation • Perform operation in regard to the adjustment values for DV. Operation: 1. Move the cursor to R-4: DEFAULT and press “set” button. 2. Turn the search dial button and move the cursor to the desired operation item. SAVE ... Save the present set values as the factory default values. LOAD ... Load the saved factory default values as the present set values. (When SAVE operation has not been performed, the initial values will be loaded.) [INIT LOAD ... Load the initial value (which designer decide) as the present set values.] 3. When the SET button is pressed, the selected operation will be performed and it will return to the item setting screen. When the MENU button is pressed, no operation will be performed and it will return the item setting screen.

REC ADJUST (DVCPRO 25M ADJUST, DV ADJUST subscreen)

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q01 R01	REC CURR L	Q01 -128 | 60 | 127 R01 -128 | 60 | 127	Q01 -128 | 60 | 127 R01 -128 | 60 | 127	Adjustment of the RP L head recording current	Yes	Use for electrical adjustment
Q02 R02	REC CURR R	Q02 -128 | 60 | 127 R02 -128 | 60 | 127	Q02 -128 | 60 | 127 R02 -128 | 60 | 127	Adjustment of the RP R head recording frequency characteristic	Yes	Use for electrical adjustment
Q13 R13	ADJ CH	0 1 2	OFF PB RP	Channel(Head) selection for recording adjustment • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q15 R15	BPF AREA	0 1	HIGH LOW	Setting of BPF frequency area for recording adjustment • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q16 R16	REC DATA	0 1	NORMAL CW	Recording data selection	No	**Factory use only**
Q17 R17	XCAN MODE	0 1	OFF ON	Crosstalk canceler ON/OFF setting • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q18 R18	XCAN DELAY	0 | 15	0 | 15	Setting of REC data delay quantity for crosstalk canceler	Yes	**Factory use only**
Q19 R19	XCAN SPD	0 1 2 3	0 1 2 3	Setting of adaptation processing speed for closstalk canceler	Yes	**Factory use only**
Q60 R60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q61 R61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q62 R62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q63 R63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q64 R64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q65 R65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during playback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q66 R66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q67 R67	MONI CHSEL	0 1 2	OFF PB RP	Selection of monitor channel(Head) • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q68 R68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q69 R69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q70 R70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q71 R71	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q72 R72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q73 R73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

PB ADJUST (DVCPRO 25M ADJUST sub-screen)

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q01	PHS L	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the PB L head playback phase	Yes	Use for electrical adjustment
Q02	PHS R	-128 | -20 | 127	-128 | -20 | 127	Adjustment of the PB R head playback phase	Yes	Use for electrical adjustment
Q03	MAG L	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the PB L head playback amplitude	Yes	Use for electrical adjustment
Q04	MAG R	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the PB R head playback amplitude	Yes	Use for electrical adjustment
Q09	ENV L	0 | 255	0 | 255	Playback signal envelope level read-out value averaged for each track of each head ENV L: PB L head ENV R: PB R head Averaging is performed at 8 points in the track, and the newest track value for which averaging has been completed at the time when read-out is started will be read out. • Read-out is possible only at the time of PLAY and REC.	Yes	**Factory use only**
Q10	ENV R	0 | 255	0 | 255		Yes	**Factory use only**
Q13	AGC SPD	0 | 3	0 | 3	Setting of the AGC response speed	Yes	**Factory use only** **Do not change any setting**
Q14	AEQ SPD	0 1 2 3	0 1 2 3	The control response speed for the adaptive equalization filter is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**
Q15	HLD SEN	0 1 2 3	0 1 2 3	The detection sensitivity for detection of changes in the relative speed is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**
Q16	FLT SEN	0 1 2 3	0 1 2 3	The detection sensitivity for the fault detection function is set in four levels. A fault status is detected when a status where a normal signal can not be detected consecutively for 5 tracks over the following track values. 0: 1/2 1: 3/4 2: 7/8 3: 15/16	Yes	**Factory use only** **Do not change any setting**
Q17	PLLREV	0 1	SLOW FAST	The compensation speed in PLL frequency compensation mode is set in two levels	Yes	**Factory use only** **Do not change any setting**
Q18	PLL PHS	0 | 9 | 31	0 | 9 | 31	In the PLL response speed setting, mainly the phase pull-in speed is controlled. The response speed becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
Q19	REV LEV	0 1 2 3	0 1 2 3	The strength of the frequency pull-in operation of the PLL phase comparison characteristic expansion function is controlled in four levels. The action is weakest with 0 and strongest with 3. When the data acquisition ratio at the time of special playback is bad, it can be improved by controlling this parameter.	Yes	**Factory use only** **Do not change any setting**
Q20	PLL FRQ	0 | 1 | 31	0 | 1 | 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
Q21	MONI LIM W	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q22	MONI LIM N	0 | 12 | 127	0 | 12 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
Q23	TH EYE	0 | 110 | 255	0 | 110 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
Q24	TH ULK	0 | 98 | 255	0 | 98 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
Q25	TH ENV	0 | 16 | 255	0 | 16 | 255	Setting of the threshold value for the envelope detection signal The envelope detection signal is used for adaptive equalization filter, PLL, and AGC hold control.	Yes	**Factory use only** **Do not change any setting**
Q26	PLL LIM	0 | 7	0 | 7	In the PLL response speed setting, mainly the phase pull-in speed is controlled.	Yes	**Factory use only** **Do not change any setting**
Q27	VCO	0 | 512 | 1023	0 | 512 | 1023	Setting of the initial value of the output voltage adjusting the VCO center frequency Adjustment is performed automatically in standby mode, but the time required for automatic adjustment can be reduced by setting this value in advance to a suitable value. The automatically adjusted value is read out and set. • Read-out is possible only at the time of EJECT, STANDBY-OFF.	Yes	Use for electrical adjustment
Q29	T L 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the PB L head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
Q30	T L 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
Q31	T L 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
Q32	T L 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
Q33	T L 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
Q34	T L 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q35	T R 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the PB R head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC.	Yes	Use for electrical adjustment
Q36	T R 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
Q37	T R 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
Q38	T R 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
Q39	T R 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
Q40	T R 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
Q53	IC READ	0 1 2	OFF SINGLE CONT	The following data are read out from the EQ200 IC. However, there are limitations according to the mode. Data which can be read-out only at the time of PLAY, REC ENV L / ENV R T L 3A / T R 3A T L 2A / T R 2A T L 1A / T R 1A T L 1B / T R 1B T L 2B / T R 2B T L3B / T R 3B Data which can be read-out only at the time of EJECT, STANDBY-OFF VCO 0: No read-out 1: Read-out each time the SET button is pressed. 2: Read-out is performed once every second. • The setting is held until exit from PB ADJUST.	No	Use for electrical adjustment
Q60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during palyback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q67	MONI CHSEL	0 1 2	OFF PB RP	Selection of monitor channel (Head) • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q71	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

RP ADJUST (DVCPRO 25M ADJUST, DV ADJUST subscreen)

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q01 R01	PHS L	Q01 -128 | -20 | 127 R01 -128 | 0 | 127	Q01 -128 | -20 | 127 R01 -128 | 0 | 127	Adjustment of the RP L head playback phase	Yes	Use for electrical adjustment
Q02 R02	PHS R	Q02 -128 | -20 | 127 R02 -128 | 0 | 127	Q02 -128 | -20 | 127 R02 -128 | 0 | 127	Adjustment of the RP R head playback phase	Yes	Use for electrical adjustment
Q03 R03	MAG L	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the RP L head playback amplitude	Yes	Use for electrical adjustment
Q04 R04	MAG R	-128 | 20 | 127	-128 | 20 | 127	Adjustment of the RP R head playback amplitude	Yes	Use for electrical adjustment
Q09 R09	ENV L	0 | 255	0 | 255	Playback signal envelope level read-out value averaged for each track of each head ENV L: RP L head ENV R: RP R head Averaging is performed at 8 points in the track, and the newest track value for which averaging has been completed at the time when read-out is started will be read out. • Read-out is possible only at the time of PLAY and REC.	Yes	**Factory use only**
Q10 R10	ENV R	0 | 255	0 | 255		Yes	**Factory use only**
Q13 R13	AGC SPD	0 | 3	0 | 3	Setting of the AGC response speed	Yes	**Factory use only** **Do not change any setting**
Q14 R14	AEQ SPD	0 1 2 3	0 1 2 3	The control response speed for the adaptive equalization filter is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**
Q15 R15	HLD SEN	0 1 2 3	0 1 2 3	The detection sensitivity for detection of changes in the relative speed is set in four levels. The sensitivity is highest with 0 and lowest with 3.	Yes	**Factory use only** **Do not change any setting**
Q16 R16	FLT SEN	0 1 2 3	0 1 2 3	The detection sensitivity for the fault detection function is set in four levels. A fault status is detected when a status where a normal signal can not be detected consecutively for 5 tracks over the following track values. 0: 1/2 1: 3/4 2: 7/8 3: 15/16	Yes	**Factory use only** **Do not change any setting**
Q17 R17	PLLREV	0 1	SLOW FAST	The compensation speed in PLL frequency compensation mode is set in two levels	Yes	**Factory use only** **Do not change any setting**

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q18 R18	PLL PHS	0 | 9 | 31	0 | 9 | 31	In the PLL response speed setting, mainly the phase pull-in speed is controlled. The response speed becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
Q19 R19	REV LEV	0 1 2 3	0 1 2 3	The strength of the frequency pull-in operation of the PLL phase comparison characteristic expansion function is controlled in four levels. The action is weakest with 0 and strongest with 3. When the data acquisition ratio at the time of special playback is bad, it can be improved by controlling this parameter.	Yes	**Factory use only** **Do not change any setting**
Q20 R20	PLL FRQ	0 | 1 | 31	0 | 1 | 31	The setting of the PLL response speed controls mainly the frequency pull-in speed. The response becomes faster with larger values.	Yes	**Factory use only** **Do not change any setting**
Q21 R21	MONI LIM W	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
Q22 R22	MONI LIM N	0 | 28 | 127	0 | 28 | 127	Setting of the frequency offset tolerance value for PLL frequency monitor control The actual tolerance range in regard to the reference frequency is (set value)/10.24%.	Yes	**Factory use only** **Do not change any setting**
Q23 R23	TH EYE	0 | 110 | 255	0 | 110 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
Q24 R24	TH ULK	0 | 98 | 255	0 | 98 | 255	Setting of the threshold value for judging the signal quality after equalization The judgment result for the signal quality is used for adaptive equalization, PLL, fault detection function, and other control.	Yes	**Factory use only** **Do not change any setting**
Q25 R25	TH ENV	0 | 16 | 255	0 | 16 | 255	Setting of the threshold value for the envelope detection signal The envelope detection signal is used for adaptive equalization filter, PLL, and AGC hold control.	Yes	**Factory use only** **Do not change any setting**
Q26 R26	PLL LIM	0 | 7	0 | 7	In the PLL response speed setting, mainly the phase pull-in speed is controlled.	Yes	**Factory use only** **Do not change any setting**
Q27 R27	VCO	0 | 512 | 1023	0 | 512 | 1023	Setting of the initial value of the output voltage adjusting the VCO center frequency Adjustment is performed automatically in standby mode, but the time required for automatic adjustment can be reduced by setting this value in advance to a suitable value. The automatically adjusted value is read out and set. • Read-out is possible only at the time of EJECT, STANDBY-OFF. Operation: • At the time of Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
Q29 R29	T L 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the RP L head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
Q30 R30	T L 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
Q31 R31	T L 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q32 R32	T L 1B	-88 | -32 | -4	-88 | -32 | -4	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the RP L head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of P53, Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of P53, Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
Q33 R33	T L 2B	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
Q34 R34	T L 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
Q35 R35	T R 3A	-31 | 0 | 31	-31 | 0 | 31	The initial values for six of the seven tap coefficients of the adaptive equalization filter, excluding the fixed center tap, are set for the RP R head. The tap coefficient values after adaptive equalization filter convergence at the time of standard tape playback are read out and set. • Read-out is possible only at the time of PLAY, REC. Operation: • At the time of Q53: IC READ = SINGLE Read-out and display are performed each time the SET button is pressed. • At the time of Q53: IC READ = CONT Read-out and display are performed once every second.	Yes	Use for electrical adjustment
Q36 R36	T R 2A	-31 | 0 | 40	-31 | 0 | 40		Yes	Use for electrical adjustment
Q37 R37	T R 1A	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
Q38 R38	T R 1B	-88 | -32 | -4	-88 | -32 | -4		Yes	Use for electrical adjustment
Q39 R39	T R 2B	-40 | 0 | 31	-40 | 0 | 31		Yes	Use for electrical adjustment
Q40 R40	T R 3B	-31 | 0 | 31	-31 | 0 | 31		Yes	Use for electrical adjustment
Q53 R53	IC READ	0 1 2	OFF SINGLE CONT	The following data are read out from the EQ200 IC. However, there are limitations according to the mode. Data which can be read-out only at the time of PLAY, REC ENV L ENV R T L 3A T R 3A T L 2A T R 2A T L 1A T R 1A T L 1B T R 1B T L 2B T R 2B T L3B T R 3B Data which can be read-out only at the time of EJECT, STANDBY-OFF VCO 0: No read-out 1: Read-out each time the SET button is pressed. 2: Read-out is performed once every second. • The setting is held until exit from RP ADJUST.	No	Use for electrical adjustment
Q60 R60	VITERBI MODE	0 1 2 3	OFF PR4 EPR4 AUTO	Setting whether Viterbi decoding is to be used for detection of playback data or not • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
Q61 R61	EQ STB	0 1	OFF ON	ON/OFF setting for the automatic standby detection function Automatic standby detection function: When the playback envelope is not detected for several seconds, the mode automatically shifts to standby mode (the mode where playback processing is stopped and the VCO center frequency is adjusted automatically). • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q62 R62	AEQ MODE	0 1	OFF ON	Setting of the Adaptive EQ function of the adaptive equalization filter • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q63 R63	AEQ HOLD	0 1	OFF ON	ON/OFF setting for the function for temporary holding of adaptive equalization control during the transitional period when the relative speed changes. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q64 R64	FLT MODE	0 1	OFF ON	ON/OFF setting for the fault detection function Fault detection function: When the adaptive filter or the PLL drops into a divergent state at the time of mode switching like search etc., and a status is detected where no normal signal can be detected over a period of 5 tracks or more, this function pulls the status of the adaptive filter or the PLL to the initial status. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q65 R65	PLL MONI	0 1	OFF ON	ON/OFF setting for PLL frequency monitor control Frequency monitor control: When a status is detected where the playback clock frequency at the time of mode switching during palyback is outside the permissible range set by MONI LIM PB1 for the specified time or longer, this function automatically pulls the frequency back to the reference frequency corresponding to the relative speed. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	**Factory use only**
Q66 R66	MONI KINDSEL	1 2 3	ENV EYEE EYEO	Selection of monitor signal • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q67 R67	MONI CHSEL	0 1 2	OFF PB RP	Selection of monitor channel(Head) • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	Use for electrical adjustment
Q68 R68	ECC MODE	0 1 2	ALL ON OT OFF AL OFF	Setting of error correction control 0: Error correction for INNER and OUTER. 1: Error correction only for INNER, but not for OUTER. 2: No error correction for INNER and OUTER. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q69 R69	CONCEAL MOD	0 1	ON OFF	Setting of error revision control 0: Error revision is performed. 1: Error revision is not performed. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q70 R70	ERROR MODE	0 1	FAST SLOW	Setting of the error sampling time 0: FAST mode 1: SLOW mode • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q71 R71	TRACKING MOD	0 1	ATF CTL	Tracking mode setting 0: ATF tracking 1: CTL tracking • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
				Tracking mode setting 2: L Head tracking 3: R Head tracking Only DV master tape can use for DV Adjustment. • The setting is held until exit from 25M ADJUST, DV ADJUST.		Use for electrical adjustment
Q72 R72	TRACKING VAL	-128 | 0 | 127	-128 | 0 | 127	Offset value setting for CTL tracking • Effective only at the time of TRACKING MOD = CTL. • The setting is held until exit from 25M ADJUST, DV ADJUST.	No	
Q73 R73	ATF HEAD	0 1	PB RP	Head selection for ATF tracking 0: PB head 1: RP head	No	

C00: V IN ADJUST

V IN ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
C-1	CMPNT ADJUST	Adjustment of the Component Input signal
C-2	CMPST ADJUST	Adjustment of the Composite Input signal

CMPNT ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C01	NENT Y GAIN	-128 | 127	-128 | 127	Adjustment of the Component Y level.	Yes	
C02	NENT Y OFS	-128 | 127	-128 | 127	Adjustment of the Component Y offset level.	Yes	
C03	NENT PB GAIN	-128 | 127	-128 | 127	Adjustment of the Component PB level.	Yes	
C04	NENT PB OFS	-128 | 127	-128 | 127	Adjustment of the Component PB offset level.	Yes	
C05	NENT PB TMG	-50 | 49	-50 | 49	Adjustment of the Component PB timing	Yes	
C06	NENT PR GAIN	-128 | 127	-128 | 127	Adjustment of the Component PR level	Yes	
C07	NENT PR OFS	-128 | 127	-128 | 127	Adjustment of the Component PR offset level.	Yes	
C08	NENT PR TMG	-50 | 49	-50 | 49	Adjustment of the Component PR timing	Yes	

CMPST ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
C01	SITE Y GAIN	-128 | 127	-128 | 127	Adjustment of the Composite Y level	Yes	
C02	SITE Y OFS	-128 | 127	-128 | 127	Adjustment of the Composite Y offset level	Yes	
C03	SITE PB GAIN	-128 | 127	-128 | 127	Adjustment of the Composite PB level	Yes	
C04	SITE PB OFS	-128 | 127	-128 | 127	Adjustment of the Composite PB offset level	Yes	
C05	SITE PB TMG	-50 | 49	-50 | 49	Adjustment of the Composite PB timing	Yes	
C06	SITE PR GAIN	-128 | 127	-128 | 127	Adjustment of the Composite PR level	Yes	
C07	SITE PR OFS	-128 | 127	-128 | 127	Adjustment of the Composite PR offset level	Yes	
C08	SITE PR TMG	-50 | 49	-50 | 49	Adjustment of the Composite PR timing	Yes	
C09	SITE CAXIS	-128 | 127	-128 | 127	Adjustment of the Composite chroma phase	Yes	

D00: V OUT ADJUST

V OUT ADJUST subscreen

Item		Item contents
No.	SUPER DISP.	
D-1	CMPNT ADJUST	Adjustment of the Component Output signal
D-2	CMPST ADJUST	Adjustment of the Composite Output signal

CMPNT ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
D01	NENT Y LEV	-50 | 49	-50 | 49	Adjustment of the Component Y level	Yes	
D02	NENT Y FREQ	-50 | 49	-50 | 49	Adjustment of the Component Y Frequency characteristic	Yes	
D03	NENT SYNC DC	-128 | 127	-128 | 127	Adjustment of the Component Sync DC	Yes	
D04	NENT PB LEV	-50 | 49	-50 | 49	Adjustment of the Component PB level	Yes	
D05	NENT PB FREQ	-50 | 49	-50 | 49	Adjustment of the Component PB Frequency characteristic	Yes	
D06	NENT PB TMG	-50 | 49	-50 | 49	Adjustment of the Component PB timing	Yes	
D07	NENT PR LEV	-50 | 49	-50 | 49	Adjustment of the Component PR level	Yes	
D08	NENT PR FREQ	-50 | 49	-50 | 49	Adjustment of the Component PR Frequency characteristic	Yes	
D09	NENT PR TMG	-50 | 49	-50 | 49	Adjustment of the Component PR timing	Yes	

CMPST ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
D01	SITE Y LEV	-50 | 49	-50 | 49	Adjustment of the Composite Y level	Yes	
D02	SITE Y FREQ	-50 | 49	-50 | 49	Adjustment of the Composite Y Frequency characteristic	Yes	
D03	SITE Y SETUP	-128 | 127	-128 | 127	Adjustment of the Composite(NTSC) SETUP level	Yes	
D04	SITE C LEV	-50 | 49	-50 | 49	Adjustment of the Composite Chroma level	Yes	
D05	SITE C TMG	-50 | 49	-50 | 49	Adjustment of the Composite Chroma timing	Yes	
D06	SITE SYNC DC	-128 | 127	-128 | 127	Adjustment of the Composite Sync DC	Yes	
D07	SITE SCH	-64 | 63	-64 | 63	Adjustment of the Composite SCH	Yes	

F00: VIDEO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
F03	VIDEO MUTE	0	NORMAL	This menu is only for Factory use. Select whether the VIDEO output is to be made gray or not 0:Normal output 1:Forced gray output	No	
		1	MUTE			
F06	EE TEST MODE	0	NORMAL	EE check for the entire signal processing system 0:Bus EE (EE1) 1:Full EE (EE2)	No	
		1	DCI RT			
F10	TELETEXT INI	0	MOJI	Factory default setting of Menu No802 : TELETEXT INI is selected. 0:MOJI (Shipping for T) 1:NABTS (Shipping for P, E, MC) * Menu No802 is only valid for 525 mode.	Yes	
		1	NABTS			
F11	V SETUP	0	OFF	Switching of effective/not effective for SETUP-MENU 622: SETUP. 0:SETUP-MENU 622: SETUP is not displayed and THRU is sent forcibly to AV. (Shipping setting for T, E, MC) 1:SETUP-MENU 622: SETUP is displayed and the set value is sent to AV. (Shipping setting for P) Menu No 622, 623 is only valid for 525 mode.	Yes	
		1	ON (E, MC)			
		0	OFF			
		1	ON (P)			
F12	SDTI FORMAT	0	NORMAL	This menu is only for Factory use. 0:Some SDTI data is converted to follow the SDTI format. 1:The data from the tape is outputted as it is.	No	
		1	THRU			
F15	22L BLANK	0	OFF	Switching of effective/not effective for SETUP-MENU 805: 22 & 285 BLANK 0:SETUP-MENU 805: 22 & 285 BLANK is not displayed and OFF is sent forcibly to AV. (Shipping setting for P, E, MC) 1:SETUP-MENU 805: 22 & 285 BLANK is displayed and the set value is sent to AV. (Shipping setting for T)	Yes	
		1	ON			
F17	GAP COUNT	0 | 40 | 64	0 | 40 | 64	Setting of the GAP COUNT for DVCPRO I/F This menu is only for Factory use.	Yes	

G00: AUDIO ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
G02	REF_LEVEL2	0	0dB	Selection of the SETUP-MENU set value for switching of the audio I/O reference level. 0: SETUP-MENU is displayed below indicated items and reference level can be selected 4dB/ 0dB/ -20dB/ (-60dB). Item 753: REF LEVEL is displayed (shipping setting for P, E, MC) 1: SETUP-MENU is displayed only item 705: CUE IN LV and it can be select 4dB/ 0dB/ -3dB/ -20dB/ -60dB. No display as below indicated items and reference level is fixed to –3dB. 701:CH1 IN LV 707:CH2 OUT LV 702:CH2 IN LV 711:MONIL OUT LV 706:CH1 OUT LV 712:MONIR OUT LV	Yes	
		1	-3dB			
G03	REF LV INI	0	0dB	Setting of the factory default value of the SETUP-MENU for audio I/O reference level switching. 701:CH1 IN LV 707:CH2 OUT LV 702:CH2 IN LV 711:MONIL OUT LV 706:CH1 OUT LV 712:MONIR OUT LV 0: 0 dB (Shipping setting for P, E) 1: 4 dB (Shipping setting for MC)	Yes	
		1	4dB			
G05	MIC IN LEV	0	DIS	Selection of the SETUP-MENU set value can be select –60dB on 701: CH1 IN LV and 702: CH2 IN LEV 0: 4dB/ 0dB/ -20dB 1: 4dB/ 0dB/ -20dB/ -60dB In case of the G02: REF LEVEL 2 = -3dB, reference level is fixed to –3dB without set value on this item.	Yes	
		1	ENA			

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
G06	AES PHS CORR	0 1	NORMAL OFF	Select whether AES/EBU output is synchronized with Video output or not. 0: AES/EBU is synchronized with Video Output. 1: AES/EBU is not synchronized with Video Output.	Yes	
G08	AUD PB MODE	0 1	MODE1 MODE2	Setting of audio playback mode 0: NOMAL Mode 1: Setting is carried out when directly editing the jointed tape on which recording was performed with a camera recorder or playing back the edited tape.	Yes	
G09	LINE OUT CUE	0 1	OFF ON	Setting whether CUE signal is forcibly outputted from LINE OUTPUT terminal. OFF: This function doesn't work. ON: CUE Signal is outputted.	No	
G10	VR ADJUST			Click position adjustment of AUDIO VR * Move to Sub screen by press SET button. * Press MENU button to escape from Sub screen.		

G10: Sub-screen

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
00	CH1 VR LEVEL	0 | 128 | 255	0 | 128 | 255	* Set the AUDIO VR to center (Click) position. **NOTE:** CH3 and CH4 VR LEVEL are apply to PB VR CH1 and CH2 on front panel. * Press SEARCH button, then VR LEVEL value is copied as BACKUP value.	No	AD value is display follow VR position.
	BACKUP	0 | 128 | 255	0 | 128 | 255	* End of service menu. * Adjustment data is converted to VR converted table, when Power off to on. * The value of click position is within 100 to 155 and except it, value is corrected to 128, when power on.	Yes	BACK UP data is displayed.
01	CH2 VR LEVEL	0 | 128 | 255	0 | 128 | 255		No	AD value is display follow VR position.
	BACKUP	0 | 128 | 255	0 | 128 | 255		Yes	BACK UP data is displayed.
02	CH3 VR LEVEL	0 | 128 | 255	0 | 128 | 255		No	AD value is display follow VR position.
	BACKUP	0 | 128 | 255	0 | 128 | 255		Yes	BACK UP data is displayed.
03	CH4 VR LEVEL	0 | 128 | 255	0 | 128 | 255		No	AD value is display follow VR position.
	BACKUP	0 | 128 | 255	0 | 128 | 255		Yes	BACK UP data is displayed.

H00: OTHER ADJUST

Item		Set value		Setting contents and outline function explanation	BACK -UP	Remarks
No.	SUPER DISP.	No.	SUPER DISP.			
H01	STILL LIMIT	0	2 min	Set the maximum value of the "SETUP-MENU 400 : STILL TIMER". Decide whether the still timer should be reset when the STANDBY-ON command is received during the STOP mode. 0:2 min/The still timer should not be reset 1:6 min/The still timer should be reset	Yes	
		1	6 min			
H02	LTC OUT SEL	0	N-STOP	Selection of TC output according to the mode or not 0: Output always, independent of the mode 1: ON/OFF switching of the TC output according to the VTR mode. However, the TC output always is ON at the time of SETUP MENU 317: AUD MEM MODE = AMU_X, AMU_VO.	Yes	
		1	STOP			
H03	SYSTEM TYPE	0	TYPE 1	Selection whether 2.3x speed is added to SHTL mode or not 0: No 2.3 speed 1: 2.3 speed exists	Yes	
		1	TYPE 2			
H07	DET DISCONT	0	OFF	The action is selected when CTL discontinued point exist during insert edit mode. 0: VTR keeps to edit 1: VTR ends editing and shift to STOP mode In this case, E-00 (SERVO NOT LOCKED) is displayed on the front panel.	Yes	
		1	ON			
H08	PLD WR SEL	0	OFF	The item to be copied for PLD is selected.	No	
		1	AUDIO			
		2	V_IN			
		3	APROC			
		4	SDI			
		5	D-I/F			
		6	REC_PB			
		7	V_OUT			
		8	SYSCON			
		9	SERVO			

H02: TC output in case of LTC OUT SEL = STOP setting

TC INT/EXT	Mode	VV / EE	TC output
INT	EJECT STOP STANDBY OFF JOG/VAR/SHTL STILL	—	OFF
	Others	—	ON
EXT	EJECT STOP STANDBY OFF JOG/VAR/SHTL STILL	VV (including BLACK, GLAY of EJECT)	OFF
		EE	ON
	Others	—	ON

14. ERROR MESSAGES

Warning messages

Priority	● Monitor display ● Description ● VTR operation and corrective action
High ↑	**E-04 (UNKNOWN SIG)** This appears when the SDTI input signals are not DVCPRO or DV format signals. (The data stream format complies with the SMPTE 321M standard.) **VTR:** No recording operations can be performed. ● Check whether the SDTI input has been connected properly. (This warning is displayed when SDI signals are being input.)
	E-11 (NOT 1×25M SIG) This appears when the SDTI input signals are not DVCPRO (25 Mbps) format 1× transfer signals. **VTR:** No recording operations can be performed. ● Check the SDTI input signals.
	E-16 (INVALID VIDEO SIG) This appears when the compressed video signals in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, no signals are recorded on the tape and only the erasure of the existing signals will be performed. **VTR:** Operation continues. No editing operations can be performed. ● Check the SDTI input signals. Playback signals of tape on which material has not been recorded may be being input.
	E-17 (INVALID AUDIO SIG) This appears when the audio signals in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, the signals are recorded with the audio signals muted. **VTR:** Operation continues. No editing operations can be performed. ● Check the SDTI input signals. Signals from other than a VTR with 1× playback may be being input.
	E-18 (INVALID TC SIG) This appears when the time codes in the SDTI input signals are invalid. ● This warning appears only during recording operations. In cases like this, the internally generated time codes are recorded. **VTR:** Operation continues. No editing operations can be performed. ● Check the time code being input from the components.
	E-10 (FAN STOP) This is displayed when the fan motor stops. **VTR:** Operation continues. ● Check that nothing is obstructing the fan movement.

Priority	● Monitor display ● Description ● VTR operation and corrective action
↓ Low	**E-09 (NO RF)** This appears during playback when a blank section (tape blank) lasting for one or more seconds has been detected. Such a section is identified as a tape blank when all of the following conditions are met. ● No head outputs ● No playback data readout ● No CTL (Excluding DV and DVCAM tapes) **VTR:** Operation continues. ● Check the tape. A tape on which material has not been recorded may have been inserted.
	E-00 (SERVO NOT LOCKED) This appears when the servo is not locked for three or more seconds during playback, recording, or editing. **VTR:** Operation continues. ● Check the tape. A tape recorded other than NTSC format may have been inserted.
	E-01 (LOW RF) This appears when envelope levels approximately 1/3 that of normal levels are detected for more than one second during playback, recording, or editing. **VTR:** Operation continues. ● Clean the video heads.
	E-02 (HIGH ERROR RATE) This appears when the error rate has increased to the extent that correction or interpolation was performed on either the video or audio signals. **VTR:** Operation continues. ● Clean the video heads.

Error messages

Display	● Description ● VTR operation and corrective action
E-20 **DEW**	If condensation is detected, the error number flashes and the unit transfers to eject mode. The drum rotates after the cassette is ejected to eliminate the condensation. Once the unit is released from condensation status, the error message display is cleared and the VTR is able to be used. ● If condensation is detected in the eject mode, the drum starts rotating as soon as it is detected. ● If condensation is detected when the cassette has been inserted, the drum rotation is stopped, and after the tape is ejected, the drum starts rotating. **VTR:** EJECT ● Leave the power on and wait.
E-29 **FRONT LOAD MOTOR**	The unit switches to eject mode and if the cassette fails to move up within 6 seconds, this error number flashes on the display. ● If the cassette does not move down inside the machine even when 6 seconds have elapsed since the cassette was inserted, the VTR is transferred to the eject mode. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-31 **LOADING MOTOR**	If the unloading operation is not completed within 6 seconds, this error number flashes on the display. ● When the loading operation is not completed within 6 seconds, the VTR is transferred to the eject (unloading) mode. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-35 **SERVO CONTROL ERROR**	If there is no response from the servo microcomputer for 1 second or more, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-37 **SERVO COMM ERROR**	If 10 seconds or more elapses and the servo microcomputer has not followed orders issued by the system control microcomputer, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-38 **SERVO FG ERROR**	If automatic adjustment of the reel and capstan rotation in eject status was not performed correctly when the power was turned on, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.

Display	● Description ● VTR operation and corrective action
E-51 **FRONT LOAD ERROR**	If the take-up reel rotates without engaging for a specific period of time during the start or end processing operation while loading is underway (half position), this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-52 **W-UP REEL NOT ROTA**	If the take-up reel fails to take up the tape while the tape is traveling in the state where the total amount of the tape has not yet been detected after the cassette was inserted, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-53 **WINDUP ERROR**	If there is an abnormally large discrepancy between the amount of tape taken up by the take-up reel and the amount of tape supplied by the supply reel while the tape is traveling after the total amount of the tape begins to be detected, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-55 **UNLOAD ERROR**	If the tape has not been taken up during unloading, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-57 **S-FF/REW TIMEOVER**	If the start or end processing operation is not completed, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-59 **DRUM ROTA TOO SLOW**	If the cylinder motor speed is abnormally low, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-60 **DRUM ROTA TOO FAST**	If the cylinder motor speed is abnormally high, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-61 **CAP ROTA TOO SLOW**	If the capstan motor speed is abnormally low, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.

Error messages

Display	● Description ● VTR operation and corrective action
E-64 **S REEL ROTA TOO FAST**	If the supply reel motor speed is abnormally high, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-67 **T REEL ROTA TOO FAST**	If the take-up reel motor speed is abnormally high, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-69 **T REEL TORQUE ERR**	If excess torque being applied to the take-up reel motor is detected, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-70 **S REEL TORQUE ERR**	If excess torque being applied to the supply reel motor is detected or an abnormal current flowing to the current detection resistor is detected, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-71 **CAP TENSION ERROR**	If abnormal tension at the supply side is detected in the capstan mode, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-72 **REEL TENSION ERROR**	If abnormal tension at the supply side is detected in the reel mode, the error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-73 **REEL DIR UNMATCH**	If the take-up reel motor has rotated in the reverse direction, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-74 **DRUM TORQUE ERROR**	If excess torque being applied to the cylinder motor is detected, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.
E-78 **M-IF COMM ERROR**	If a problem has been encountered in communication between the servo microcomputer and mechanism relay board, this error number flashes on the display. **VTR:** STOP ● Set the POWER switch to OFF and then to ON again.

15. APPENDIX

Flash ROM software version up can be done via RS232C terminal.

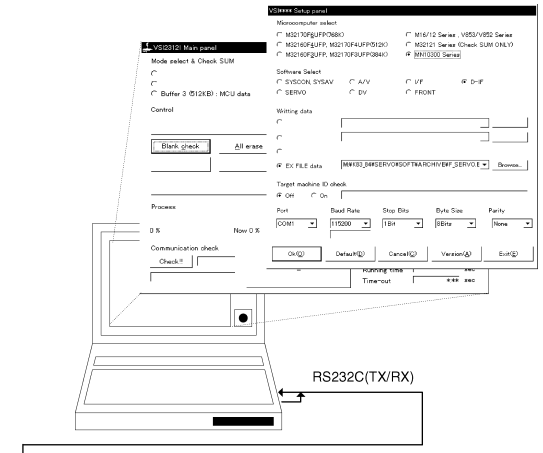
SYS CTRL IC (IC600) decide which IC (SYSAV, DV, IF, SERVO) should be copied based on the command from Personal computer (version up software).

This command is decided in "Software Select window" of VSI2312L Setup panel and sent to SYS CTRL IC (IC600) via I/F ROM.

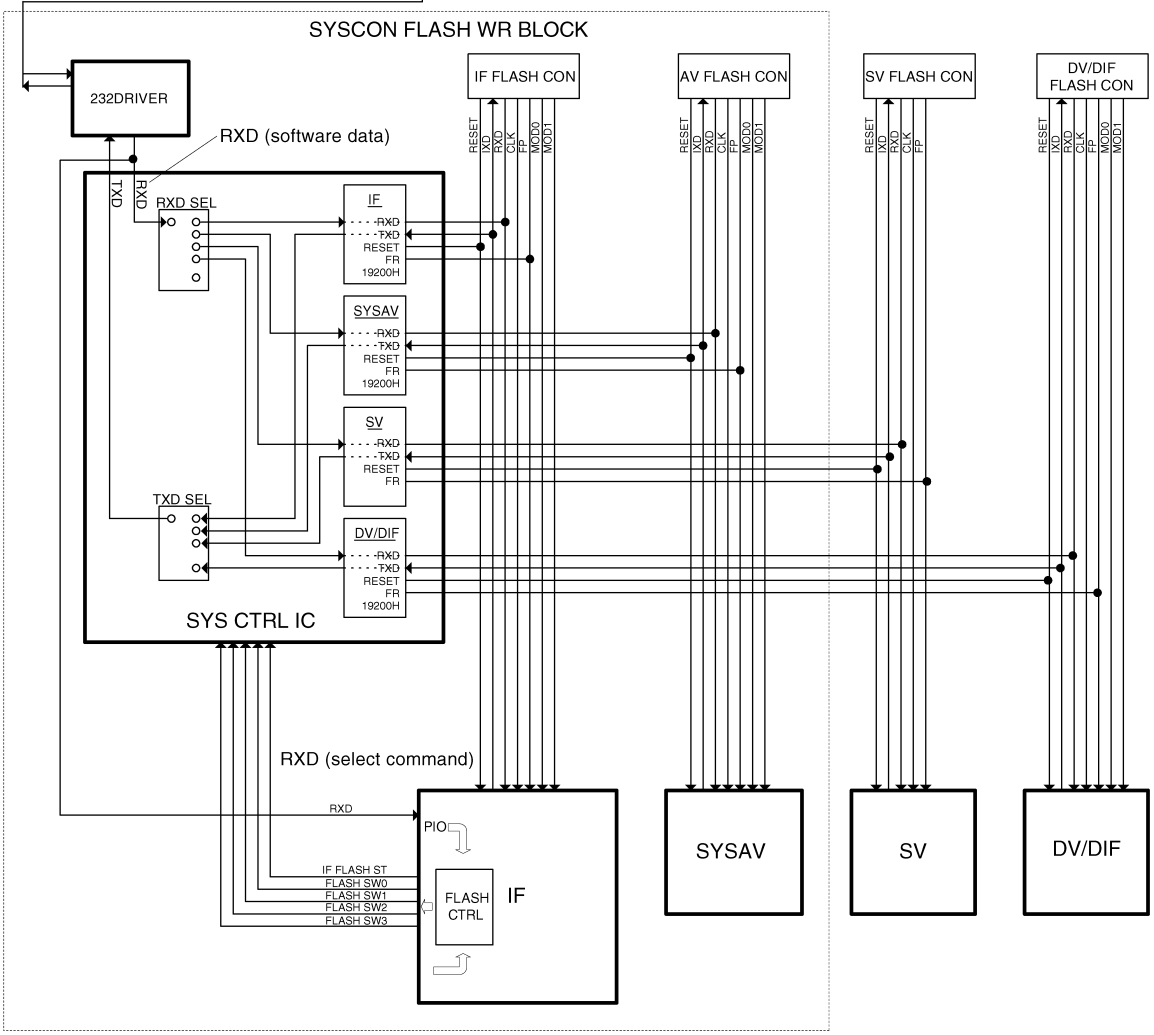
Hence if I/F ROM doesn't work well, (For example: AV software is copied to I/F ROM by mistake) the command can not be sent to SYS CTRL IC so that Flash ROM software version up via RS232C terminal can not be made. (I/F software is also impossible to copy via RS232C terminal)

In this case(If another software is copied to I/F ROM by mistake), Flash ROM software should be copied from Personal computer to I/F ROM via the connector on the P.C.B using the flash memory version up tool (VFK1304A).

Following are the explanation to copy the flash ROM using VFK1304A.



VSI2312L Setup panel



15-1. FLASH ROM VERSION UP PROCEDURE for I/F ROM using Flash memory version up tool (VFK1304A)

<Preparation>

Connection of the flash memory version up tool

Turn off the power of the VTR and the personal computer and then connect them as shown in the following figure. Pay attention not to confuse the connection direction (top, bottom) for the flat cable of the flash memory version up tool (VFK1304A).

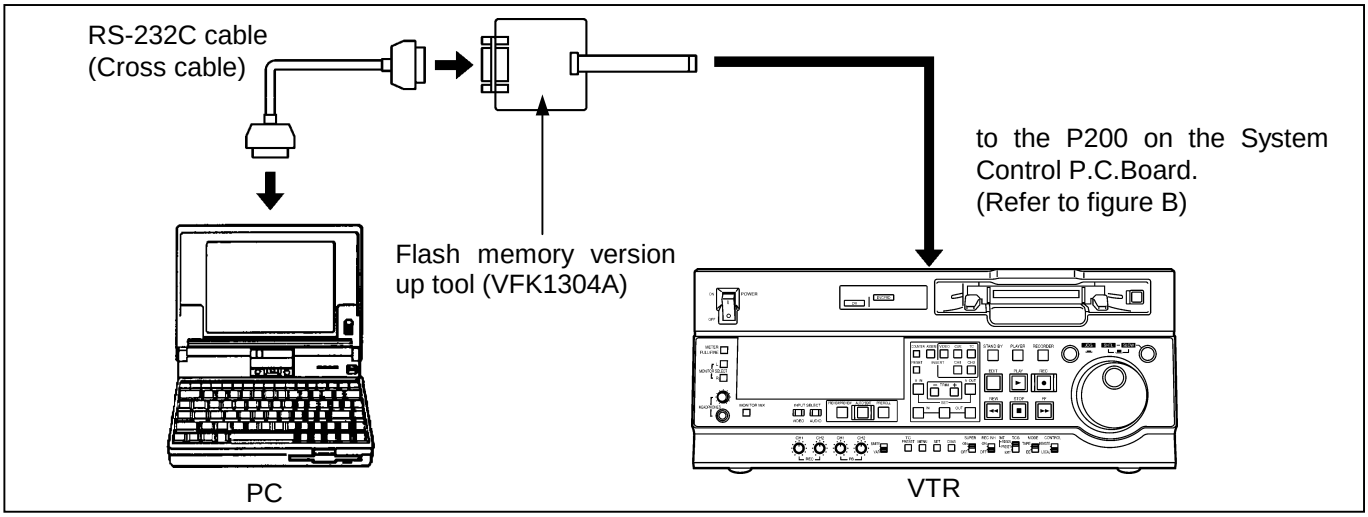


Figure A

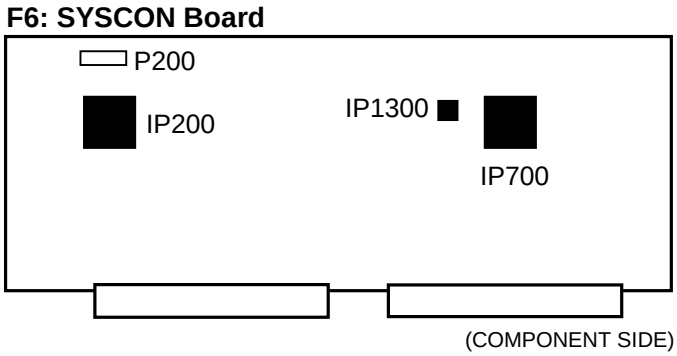


Figure B

1. Prepare a personal computer (Windows95 or 98)
2. Install the version up software VFK**** into the personal computer.
   VFK**** consist of following 5 types of software.

   f_servo.obf
   FW103u.exe
   VSI2312L.exe
   Setting ini

< I/F software (Flash ROM) Version UP >

1. Copy the program software (I/F:VSIXXX.mot) into the personal computer.
2. Turn on the VTR power.
3. Excute the VSI2312L. exe so that the following screen appears.

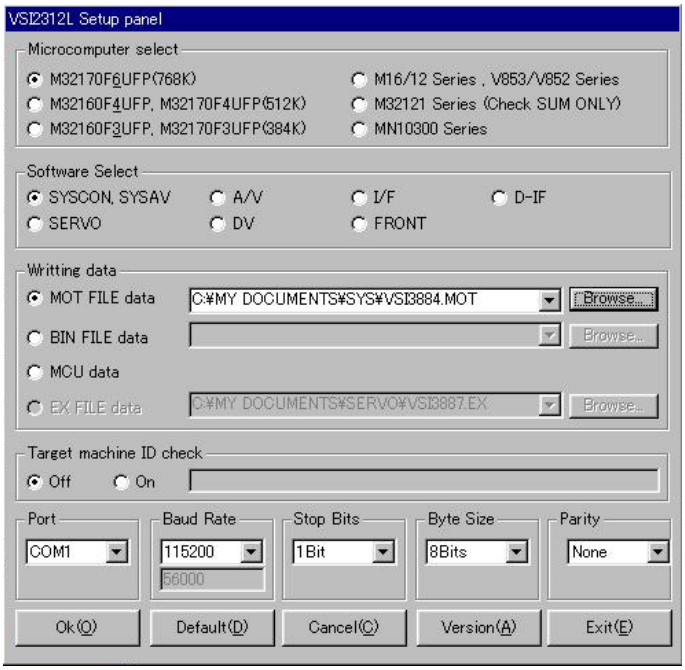


Figure 1

4. Select the each item as below;

Microcomputer select	M32170F6UFP (768K)
Software select	I/F
Writing data	MOT FILE data→ Select the program software (VSIXXX.mot) which was copied at item 1).
Target machine ID check	Off (default)
Port	COM1
Baud Rate	115200
STOP Bits	1 Bit (default)
Byte Size	8 Bits (default)
Parity	None (default)

5. Press **"OK"** button so that the following screen appears and Check sum is calculated. (refer to figure 2)

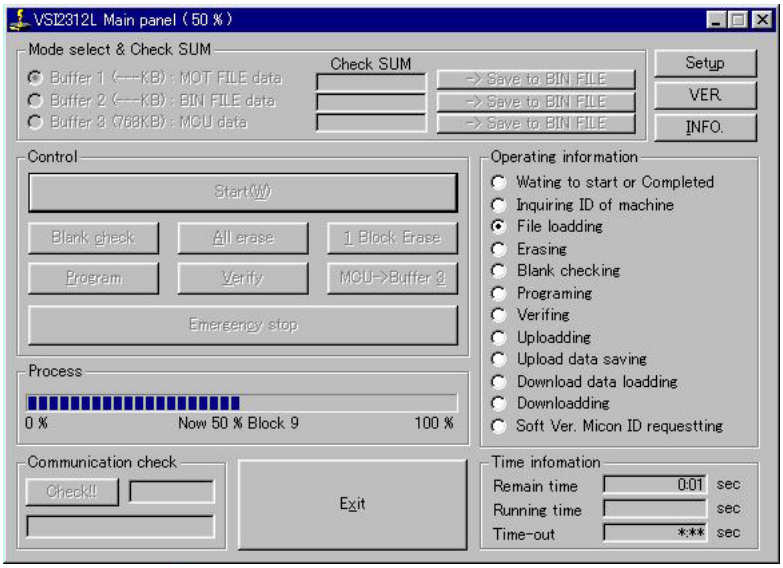


Figure 2

6. Check sum is displayed upper side on the screen after the process of item 5).
7. Press **"Start"** button so that the following screen appears. (refer to figure 3)

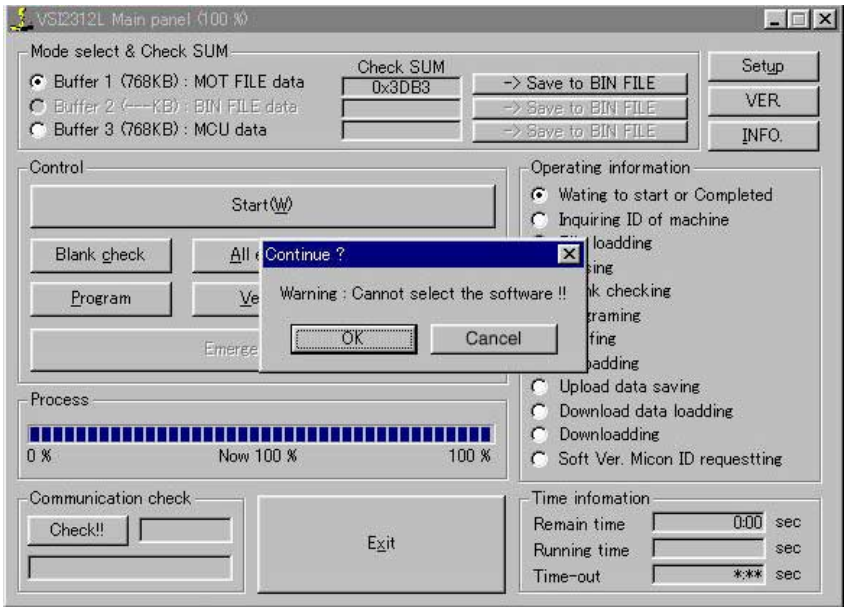


Figure 3

8. Press **"OK"** to proceed software version up.
9. Confirm the bar in the Process window reaches to 100% that means the software programming complete. (refer to figure 4)

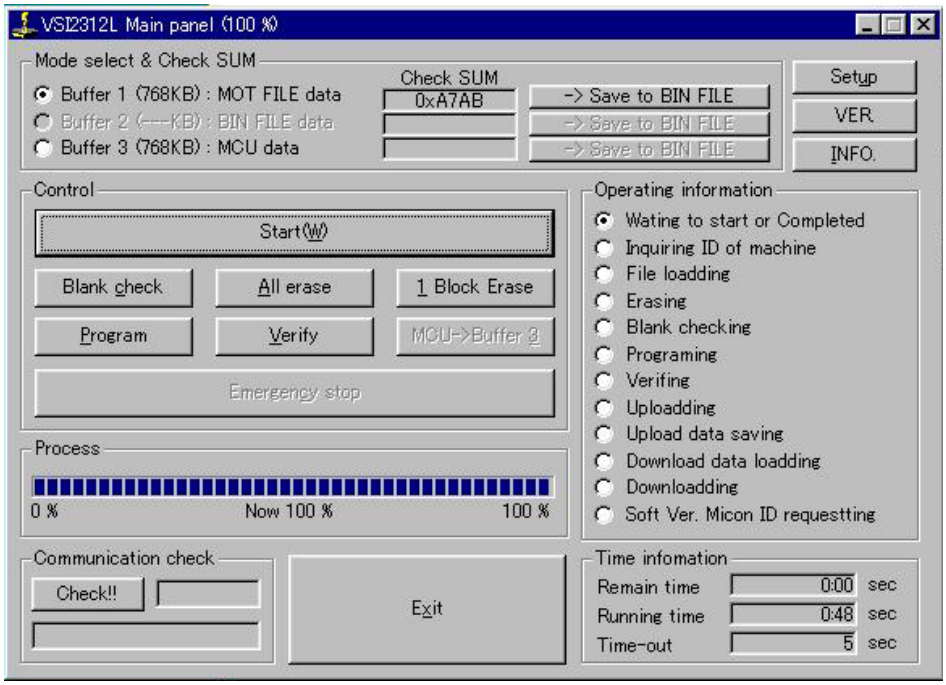
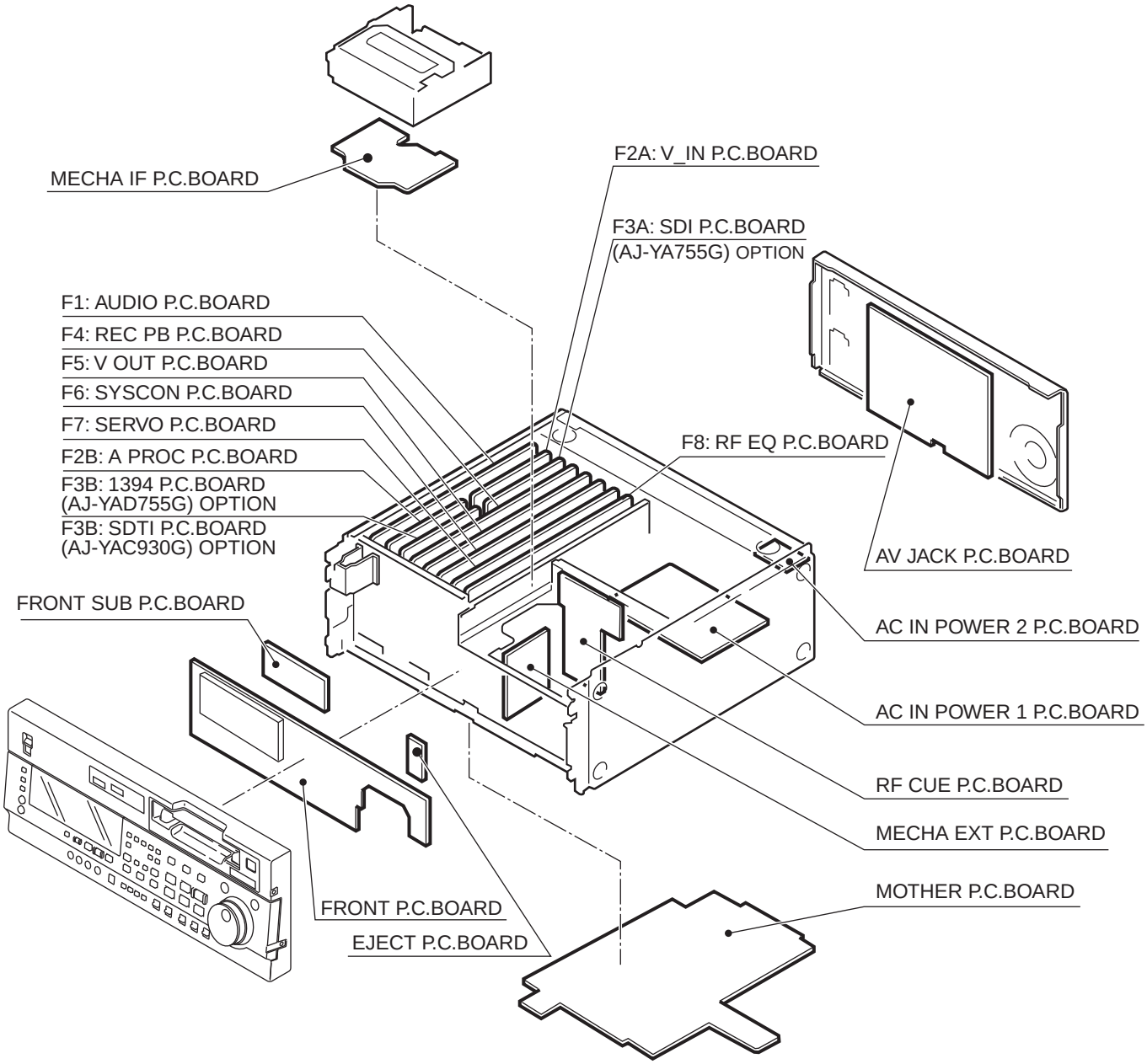


Figure 4

10. Press **"Exit"** button to end the program.
11. Turn off and on the power of VTR in order to reboot the machine.
12. Confirm that software version is updated.

* If the error occurs during above process, repeat the process from item 7).

16. CIRCUIT BOARD LAYOUT DRAWING



SECTION 2

DISASSEMBLY PROCEDURES

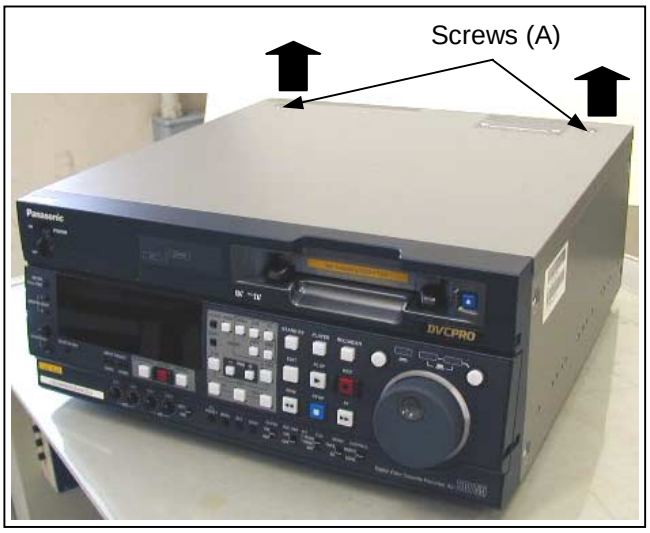
CONTENTS

1. DISASSEMBLY PROCEDURES.....DIS-1
   - 1-1. Removal of Top Panel.....DIS-1
   - 1-2. Removal of Bottom Panel.....DIS-1
   - 1-3. Removal of Front Panel Unit.....DIS-1
   - 1-4. Removal of Front Loading Unit.....DIS-1
   - 1-5. Removal of Mechanism Unit.....DIS-2
   - 1-6. Removal of Cylinder Unit.....DIS-3
   - 1-7. Removal of Power Supply Unit.....DIS-3
   - 1-8. Removal of Fan Motor.....DIS-4

1. DISASSEMBLE PROCEDURES

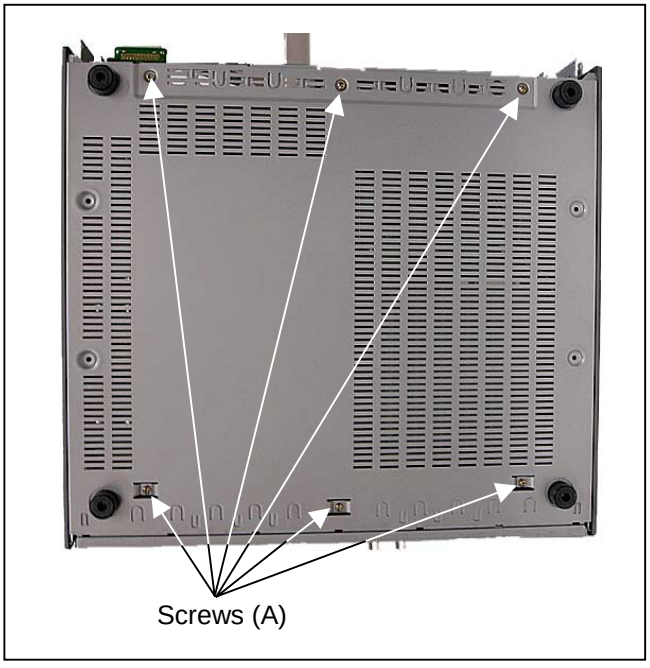
1-1. Removal of Top Panel

1. Loosen s screws (A) and remove the Top Panel.



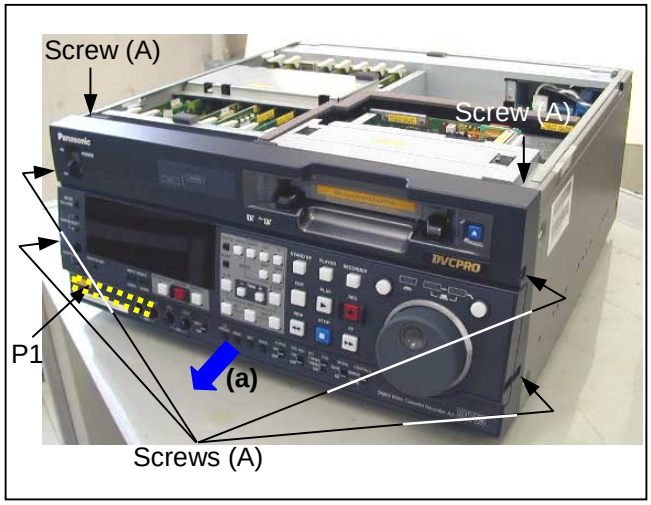
1-2. Removal of Bottom Panel

1. Unscrew the 6 screws (A) and remove the Bottom Panel.



1-3. Removal of Front Panel

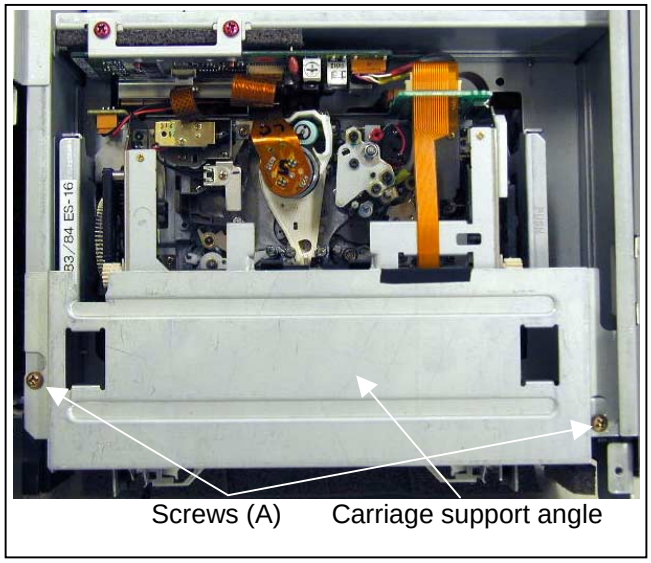
1. Unscrew the 6 screws (A) and remove the Front Panel.



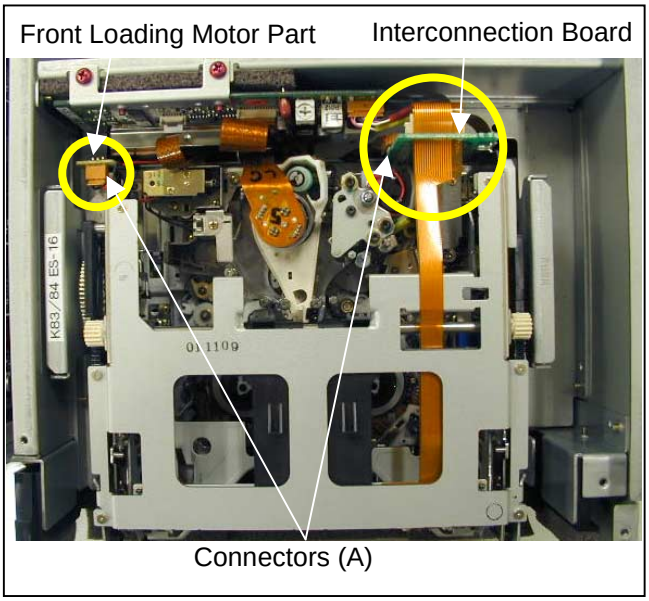
Notes:
1. When removing the Front Panel, slightly pull the Front panel for direction in arrow **(a)** (disconnect a connector P1).
2. After installation of Front Panel, confirm that the Blinder Panel is moved up and down smoothly by hand.
3. Check the connector has been connected securely.

1-4. Removal of Front Loading Unit

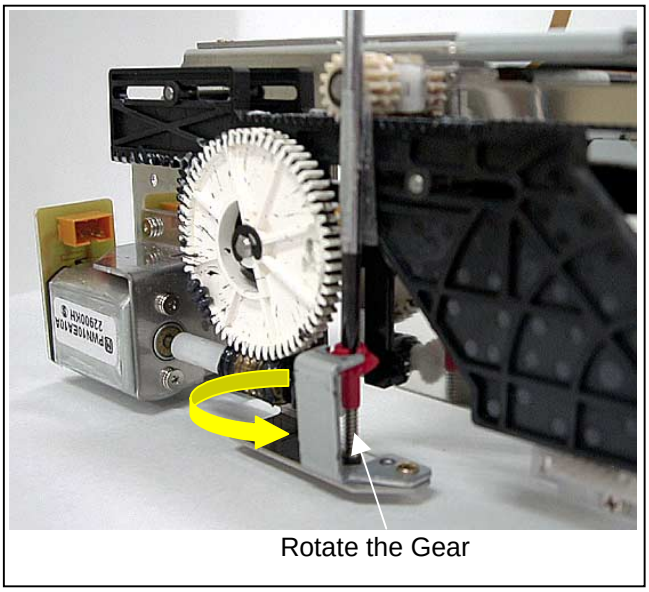
1. Loosen 2 screws (A) and remove the Carriage support angle.



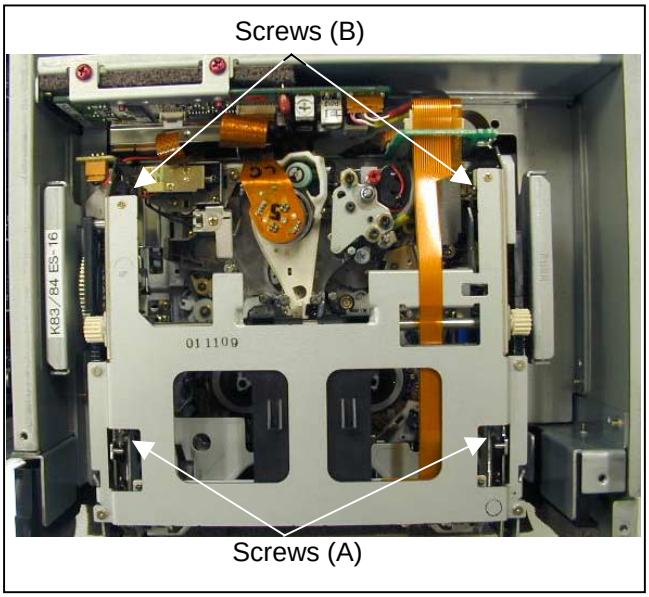
2. Disconnect 2 connectors (A) at Front Loading motor Board and the Interconnection Board.



3. Push and rotate the red plastic gear in front of the Front loading motor counterclockwise until the screw (A) which is used to fix the Front Loading Unit can be seen.



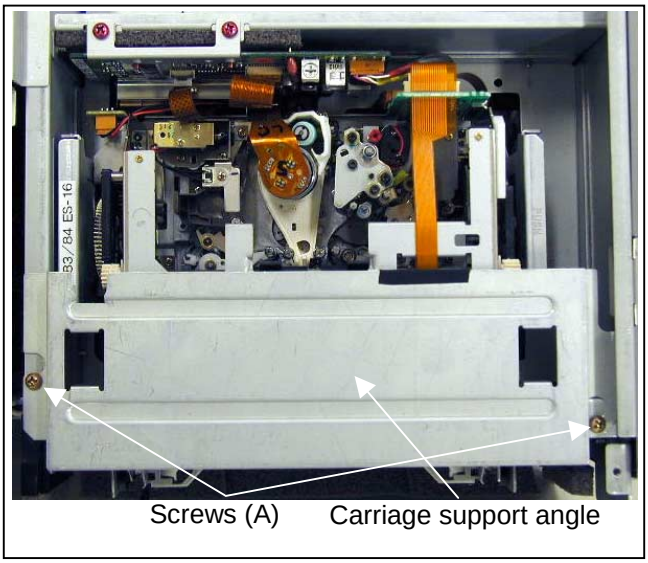
4. Unscrew the 4 screws (A) and (B), then remove the Front Loading Unit.



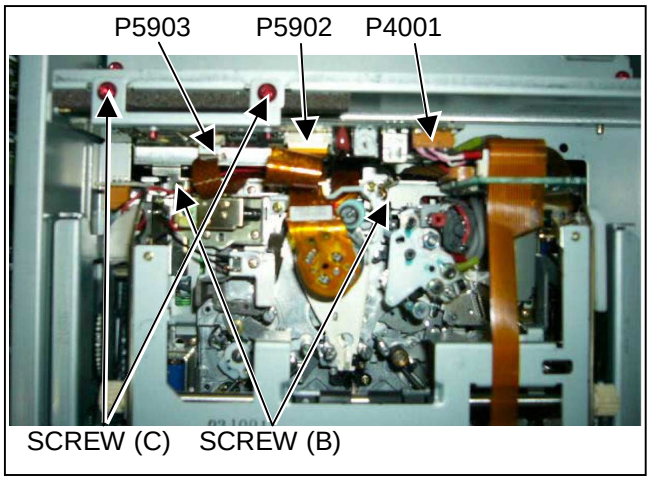
1-5. Removal of Mechanism Unit

Please refer to Major Mechanical Parts Replacement & Adjustment Procedures (SECTION 3) regarding each parts replacement procedure.

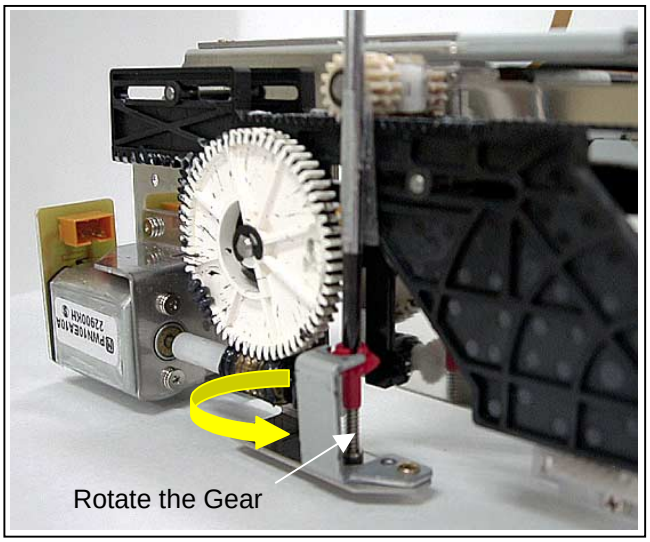
1. Loosen 2 screws (A) and remove the Carriage support angle.



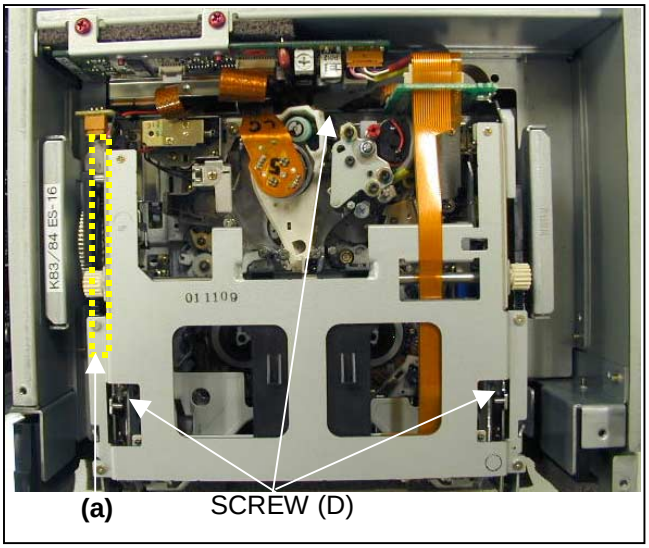
2. Disconnect 3 connectors (P4001, P5902, P5903).
3. Unscrew the 2 screws (B).
4. Unscrew the 2 screws (C) and remove the RF/ CUE P.C.Board.



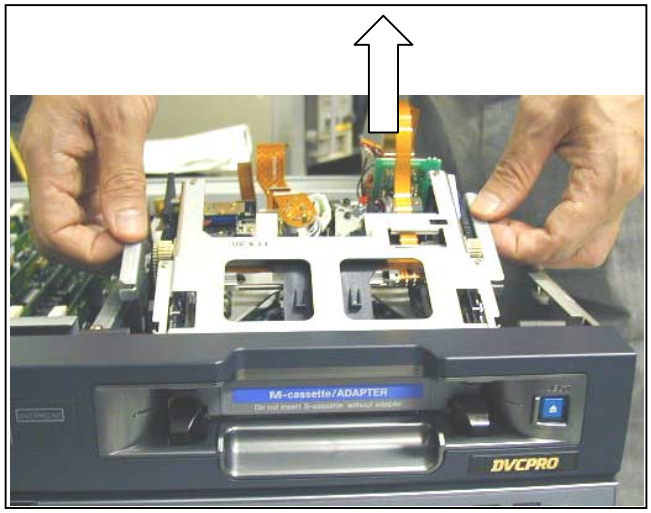
5. Push and rotate the red plastic gear in front of the Front loading motor counterclockwise until the screw which is used to fix the Mechanism Unit can be seen.



6. Unscrew the 3 screws (D).
7. Disconnect the connector (a) which combines Mecha Unit with MECH IF2.



8. Remove the Mecha Unit lifting the backside of it.

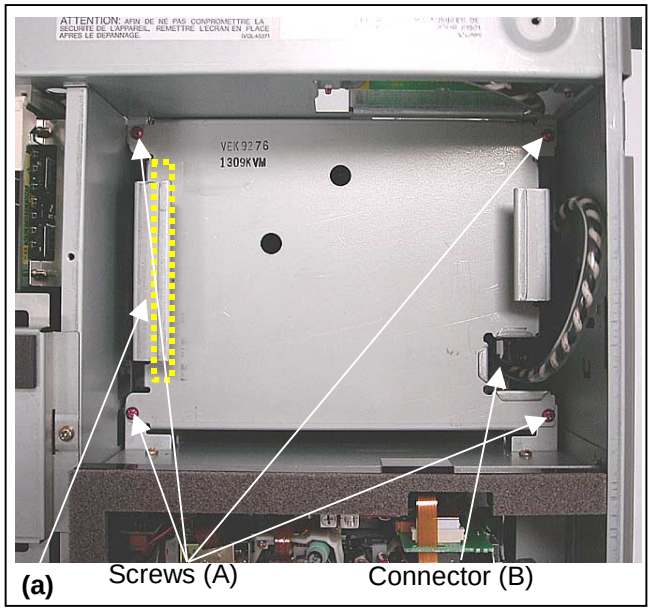


1-6. Removal of Cylinder Unit

(refer to page MECH-34).

1-7. Removal of Power Supply Unit

1. Unscrew the 4 screws (A) and lift-up the Power Supply Unit.
2. Disconnect a connector (B) and remove the Power Supply Unit.



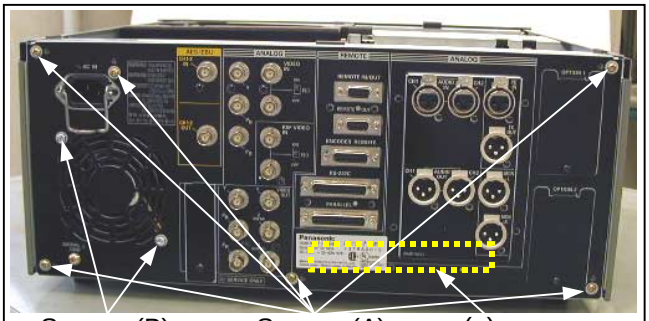
Notes:

When remove the Power Supply Unit, the connector **(a)** which combines the Mother Board with Power Supply Unit is disconnected.

Check the connector has been connected securely when the Power Supply Unit is installed.

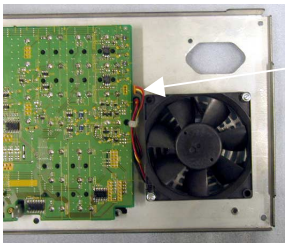
1-8. Removal of Fan Motor

1. Unscrew the 6 screws (A) and remove the Rear Jack Panel.



Screws (B) Screws (A) (a)

2. Disconnect a connector P105 (C)
3. Unscrew the 2 screws (B) and remove the Fan Motor.



Connector P105 (C)

Notes:

When remove the Rear Jack Panel, the connector **(a)** which combines the Mother Board with Rear Jack Panel is disconnected.

Check the connector has been connected securely when Rear Jack Panel is installed.

SECTION 3

MECHANICAL ADJUSTMENT

CONTENTS

1. Mechanical Adjustment Procedures MECH-1
   - 1-1. Post Height Pre-adjustment MECH-1
   - 1-2. Tension Adjustment Flowchart MECH-1
   - 1-3. Tension Arm Offset Adjustment MECH-1
   - 1-4. Tension Arm Neutral Position Adjustment MECH-2
   - 1-5. Tension Arm PLAY Voltage Adjustment and REV Voltage Confirmation MECH-3
   - 1-6. Tension Regulator Spring Adjustment MECH-3
   - 1-7. REV Tension Confirmation MECH-4
   - 1-8. Tension Confirmation MECH-5
   - 1-9. Photo Sensor Voltage Adjustment MECH-5
   - 1-10. Tape Path Adjustment Procedure MECH-6
   - 1-11. Envelope Waveform Adjustment MECH-7
   - 1-12. Post Limit Confirmation (PLAY) MECH-7
   - 1-13. A/C Head Adjustment MECH-8
   - 1-14. A/C Head Tilt Adjustment MECH-10
   - 1-15. A/C Head Height Adjustment MECH-10
   - 1-16. A/C Head Tilt Confirmation MECH-11
   - 1-17. A/C Head Height Confirmation MECH-11
   - 1-18. A/C Head Azimuth and X-value Adjustment (SD 25M) MECH-12
   - 1-18. A/C Head Azimuth and X-value Adjustment (SD 50M) MECH-13
   - 1-18. A/C Head Azimuth and X-value Adjustment (HD CAM) MECH-14
   - 1-19. Compensation Adjustment Of X Value MECH-15
   - 1-20. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment) MECH-15
   - 1-21. CTL Self Recording Level Confirmation MECH-16
   - 1-22. Play Tape Path Limit Confirmation MECH-17
   - 1-23. Confirmation of Envelope on REV, REW and FF mode MECH-17
   - 1-24. Confirmation of Play Start Envelope MECH-18
   - 1-25. REV mode Tape Path Limit Confirmation MECH-18
   - 1-26. FF, REW mode Tape Path Limit Confirmation MECH-19
   - 1-27. Screw Lock Tight of A/C Head and T3, T4 Post MECH-19
   - 1-28. Confirmation of Tape Damage for Long Tape Playback (SD VTR only) MECH-19
   - 1-29. LISTA Adjustment Procedure (SD 25M VTR) MECH-20
   - 1-29. LISTA Adjustment Procedure (SD 50M VTR) MECH-21
   - 1-29. LISTA Adjustment Procedure (SD 50M CAM) MECH-22
   - 1-29. LISTA Adjustment Procedure (HD CAM) MECH-23
   - 1-30. LISTA Connection and Boot Up MECH-24
   - 1-31. How to Entry the Attachment Data of Alignment Tape MECH-26
   - 1-32. LISTA Sensitivity Adjustment and Sensitivity Detection MECH-27
   - 1-33. LISTA Linearity Adjustment and Waving Measurement MECH-30
   - 1-34. Self-REC/PLAY Envelope Waveform Confirmation MECH-32
   - 1-35. DV Playback Envelope Waveform Confirmation (DV Playback compatible model only) MECH-33
2. Major Mechanical Parts Replacement & Adjustment Procedures MECH-34
   - 2-1. Cylinder Unit Replacement MECH-34
   - 2-2. Cleaning Arm Unit Replacement MECH-35
   - 2-3. T1 Guide Position Adjustment MECH-35
   - 2-4. Adjustment Flow Chart After Cylinder Unit Replacement MECH-36
   - 2-5. Supply & Take-up Reel Rotor Unit Replacement (In case of Studio VTR) MECH-37
   - 2-5. Supply & Take-up Reel Rotor Unit Replacement (In case of Camera Recorder) MECH-38
   - 2-6. Main Brake Torque Confirmation MECH-39

2-7. Supply & Take-up Brake Arm Unit Replacement (Studio VTR only) MECH-39
2-8. Supply Brake Solenoid Replacement and Adjustment (Studio VTR only) MECH-40
2-9. Take-up Brake Solenoid Replacement and Adjustment (Studio VTR only) MECH-40
2-10. Pinch Solenoid Replacement MECH-41
2-11. Pinch Solenoid Position Adjustment MECH-41
2-12. Pinch Arm Unit Replacement MECH-42
2-13. Loading Motor Replacement MECH-42
2-14. Mode SW Unit Replacement MECH-43
2-15. Main Cam Gear Replacement MECH-43
2-16. Thrust Screw Replacement and Adjustment MECH-44
2-17. S5 Post Base Unit Replacement MECH-44
2-18. Tension Arm Unit Replacement MECH-45
2-19. S1 Post Loading Arm Unit Replacement & Adjustment MECH-46
2-20. T1 Boat Unit Replacement and Adjustment MECH-47
2-21. T1 Loading Arm Unit Replacement & Adjustment MECH-49
2-22. M-Cassette Brake Base Unit Replacement (Camera Recorder only) MECH-49
2-23. A/C head Replacement & Adjustment MECH-50
2-24. Cleaner Solenoid Replacement & Adjustment MECH-52
2-25. Distinction SW Unit Replacement (Studio VTR only) MECH-53
2-26. MIC Sensor SW Unit Replacement (Camera Recorder only) MECH-54
2-27. Reel Drive Motor Unit Replacement (Studio VTR only) MECH-54
2-28. L-M Release Angle Unit Replacement (Studio VTR only) MECH-54
2-29. Slide Rod Unit Replacement & Adjustment (Studio VTR only) MECH-55
2-30. M-Stopper Solenoid Replacement & Adjustment (Studio VTR only) MECH-56
2-31. T4 Post Position Adjustment MECH-57
3. Compensation Adjustment of X value MECH-58
1-19. Compensation Adjustment of X value MECH-58
4. Name of Tape Transportation MECH-59
5. Table of Test Point MECH-60
6. Table of Test Point for each adjustment item. MECH-61
1-3. Tension Arm Offset Adjustment MECH-61
1-4. Tension Arm Neutral Position Adjustment MECH-61
1-5. Tension Arm PLAY and REV Voltage Adjustment and Confirmation MECH-61
1-6. Tension Regulator Spring Adjustment MECH-61
1-7. REV Tension Confirmation MECH-62
1-8. Tension Confirmation MECH-62
1-9. Photo Sensor Voltage Adjustment MECH-62
1-11. Envelope Waveform Adjustment MECH-62
1-15. A/C Head Height Adjustment MECH-62
1-14. A/C Head Tilt Adjustment MECH-63
1-16. A/C Head Tilt Confirmation MECH-63
1-17. A/C Head Height Confirmation MECH-63
1-18. A/C Head Azimuth and X-value Adjustment (SD 25M) MECH-63
1-20. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment) MECH-63
1-21. CTL Self Recording Level Confirmation MECH-63
1-23. Confirmation of Envelope on REV, REW and FF mode MECH-64
1-24. Confirmation of Play Start Envelope MECH-64
1-25. REV mode Tape Path Limit Confirmation MECH-64
1-30. LISTA Connection and Boot Up MECH-64
1-32. LISTA Sensitivity Adjustment and Sensitivity Detection MECH-65
1-33. LISTA Linearity Adjustment and Waving Measurement MECH-65
1-34. Self-REC/PLAY Envelope Waveform Confirmation MECH-65
1-35. DV Playback Envelope Waveform Confirmation MECH-65
7. Table of Connector. MECH-66
2-1. Cylinder Unit Replacement MECH-66
2-3. T1 Guide Position Adjustment MECH-66
2-5. Supply & Take-up Reel Rotor Unit Replacement (In case of Studio VTR) MECH-66
2-6. Main Brake Torque Confirmation MECH-66
2-8. Supply Brake Solenoid Replacement and Adjustment (Studio VTR only) MECH-66
2-9. Take-up Brake Solenoid Replacement and Adjustment (Studio VTR only) MECH-66
2-10. Pinch Solenoid Replacement MECH-67
2-13. Loading Motor replacement MECH-67
2-14. Mode SW Unit Replacement MECH-67
2-23. A/C Head Replacement & Adjustment MECH-67
2-24. Cleaner Solenoid Replacement & Adjustment MECH-67
2-25. Distinction SW Unit Replacement (Studio VTR only) MECH-67
2-27. Reel Drive Motor Unit Replacement (Studio VTR only) MECH-67
2-30. M-Stopper Solenoid Replacement & Adjustment (Studio VTR only) MECH-67
8. Connector Location MECH-68
MECHA I/F P.C.Board MECH-68

1. Mechanical Adjustment Procedures

1-1. Post Height Pre-adjustment

MODE	EJECT (POWER OFF)
TOOL	VFK1149B (Post Driver) VFK1151A (2.5mm Nut Driver) VFK1154 (Post Height Fixture) VFK1153 or VFK1586 (Mech. Neutral Plate)

1. Confirm that the post is in loading completion condition.
2. Confirm that the Reel Table is located at M-Cassette position. Turn off the power, remove the cassette-up unit and install the Mech. Neutral Plate.
3. Put the Post Height Fixture on the Mech. Neutral Plate and adjust each post height to lower limit as following figure.
4. Please refer to following table to see Post Driver to be used to adjust each post.

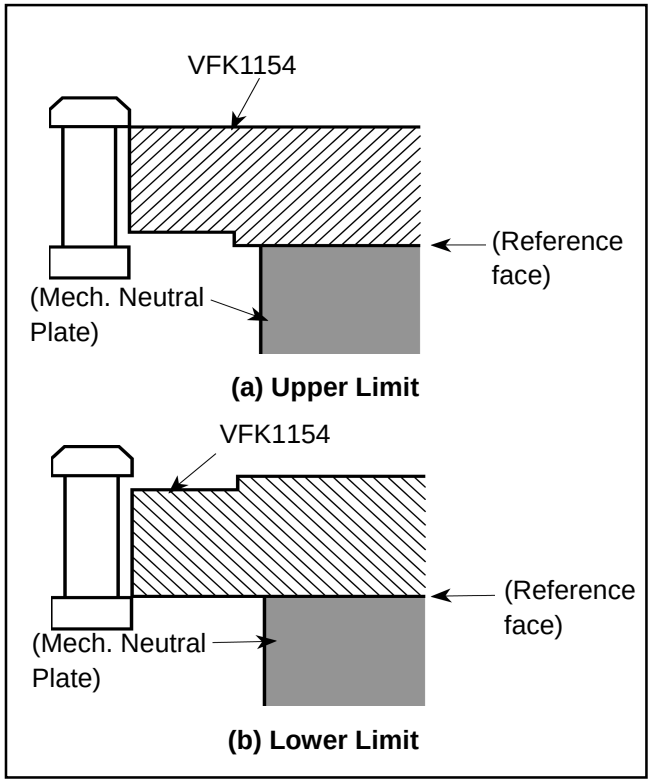


Figure 1-1

Post	Limit
S4	S5 Height +0.1 0 / -0.1
S5	Lower Limit 0 +0.1 / 0 mm
T3	Lower Limit+0.000 / -0.030
T4	Lower Limit +/-0.030

Note:

S4, S5 post height is changed about 0.05mm by 90 degrees rotation and T4, T5 post height is changed about 0.03mm by 45 degrees rotation.

1-2. Tension Adjustment Flowchart

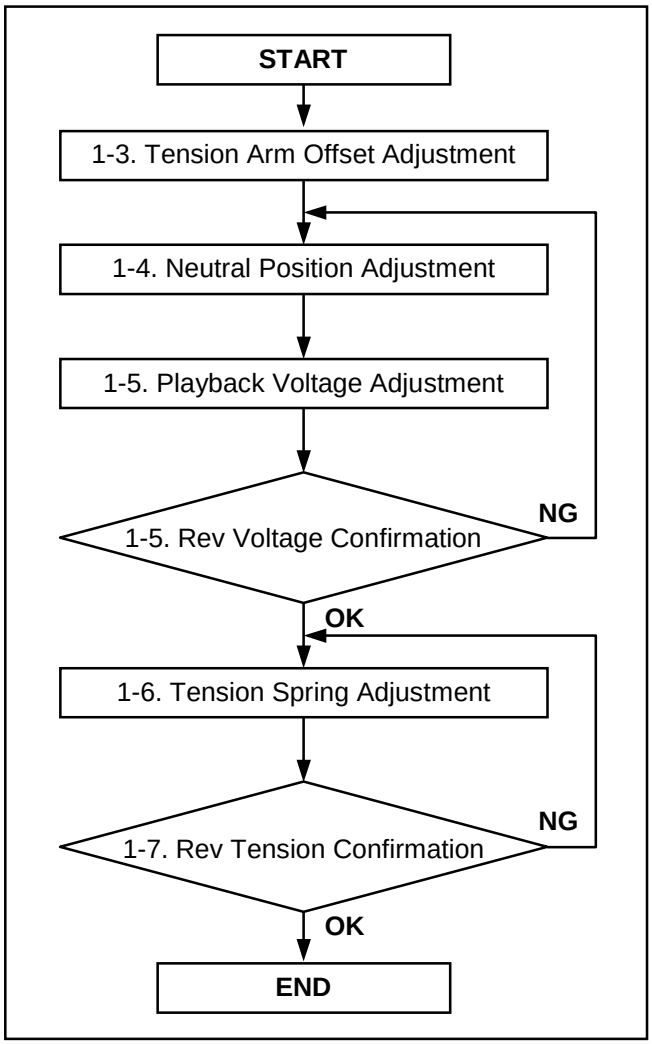


Figure 1-2

1-3. Tension Arm Offset Adjustment

SPEC	2.5 V ± 0.05 V
TEST POINT	Tension: Refer to item “6. Table of Test Point for each adjustment item.”
ADJ.	Tension Offset : Refer to item “6. Table of Test Point for each adjustment item.”
MODE	EJECT
TOOL	Digital Volt Meter

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.

1. Confirm that the DC voltage at the test point is within the specification.
2. If it is out of spec, Adjust the VR so that the DC voltage is within the specification.

1-4. Tension Arm Neutral Position Adjustment

SPEC	2.5 V ± 0.1 V
TEST POINT	Tension: Refer to item "6. Table of Test Point for each adjustment item."
ADJ.	Base position of Tension Regulator Board
MODE	STOP
TOOL	Digital Volt Meter VFK1208 (black with hole)

Click this button , then go to item "6. Table of Test Point for each adjustment item..

NOTE:
Do not use magnetized tweezers and Screw Driver.
Do not touch the magnetize Screw Driver to S-Reel FG magnet portion, while adjusting the lever (D) portion.

<For STUDIO RECORDER>
1. Unscrew the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 3-4-1.

<For CAMERA RECORDERS>
1. Remove the Cassette Up Unit.

<Adjustment procedure>
1. Set the VFK1208 (black with hole) at the position as shown in figure 1-4-2.
2. Connect the Digital Volt Meter to the test point.
3. Place the unit into the no tape loading mode.(No tape loading procedure is mentioned on item "6. Table of Test Point for each adjustment item.").

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

4. Loosen the screw (A) and move the lever (D) with tweezers to adjust the sensor position so that the DC voltage at Test Point is within the specification.

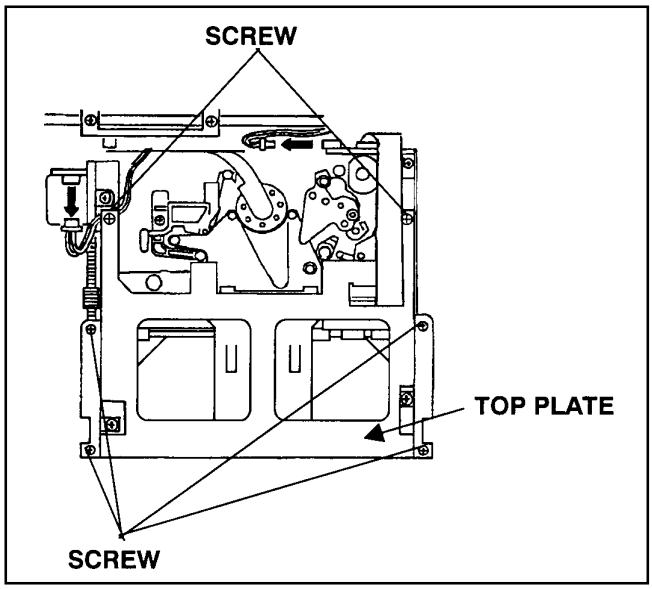


Figure 1-4-1

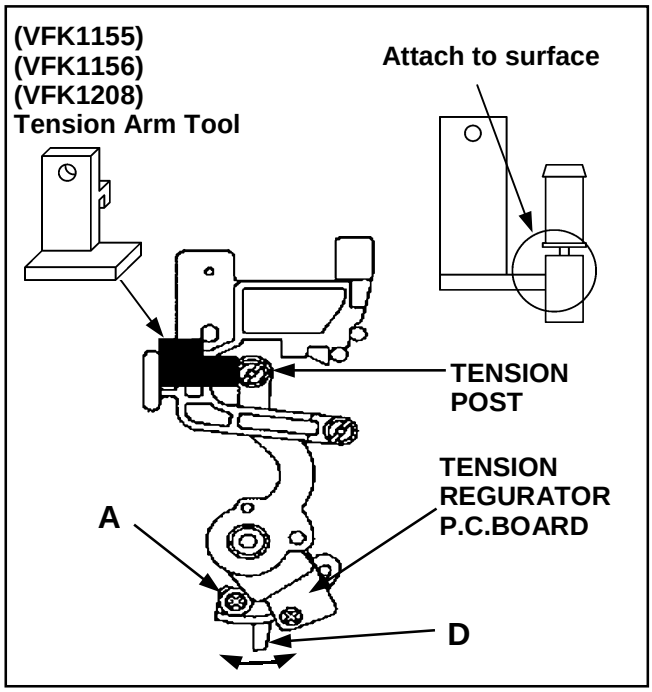


Figure 1-4-2

1-5. Tension Arm PLAY Voltage Adjustment and REV Voltage Confirmation

SPEC	PLAY : 3.8 V ± 0.05 V REV : 1.2 V ± 0.3 V
TEST POINT	Tension: Refer to item "6. Table of Test Point for each adjustment item."
ADJ.	Tension Gain: Refer to item "6. Table of Test Point for each adjustment item."
MODE	STOP
TOOL	Digital Volt Meter VFK1156 (Black: for PLAY position) VFK1155 (Silver: for REV position)

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

<For STUDIO RECORDER>

1. Unscrew the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 1-4-1.

<For CAMERA RECORDER>

Remove the Cassette Up Unit.

1. Set VFK1156 (black) at the position as shown in figure 1-4-2.
2. Place the unit into the no tape loading mode. (No tape loading procedure is mentioned on item "6. Table of Test Point for each adjustment item.").

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

3. Confirm that the DC voltage at the test point is within the specification (PLAY).
4. If it is out of spec, adjust the VR so that the DC voltage is within the specification (PLAY).
5. Set VFK1156 (Silver) at the position as shown in figure 1-4-2.
6. Place the unit into the no tape loading mode.
7. Confirm that the DC voltage at the test point is within the specification.
8. If it is out of spec, perform the Tension Arm Position Adjustment again.

1-6. Tension Regulator Spring Adjustment

SPEC	110 ± 10 mN-m (11 ± 1gf)
TEST POINT	Tension: Refer to item "6. Table of Test Point for each adjustment item."
ADJ.	Tension Regulator Spring hook (B)
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

<For STUDIO RECORDER>

1. Unscrew the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 1-4-1.

<For CAMERA RECORDER>

Remove the Cassette Up Unit.

<Adjustment Procedure>

1. Place the unit into no tape loading mode. (No tape loading procedure is mentioned on item "6. Table of Test Point for each adjustment item.").

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

2. Push the tension post to the direction R by the tension gauge as shown in Figure 1-6 until the voltage at the test point becomes 3.8V (If means PLAY position).
3. Loosen the screw (C) and adjust the position of hook (B) so that the indication (tension) of gauge is within the specification.
   Then fighten the screw (C) and reconfirm tension is within the specification.

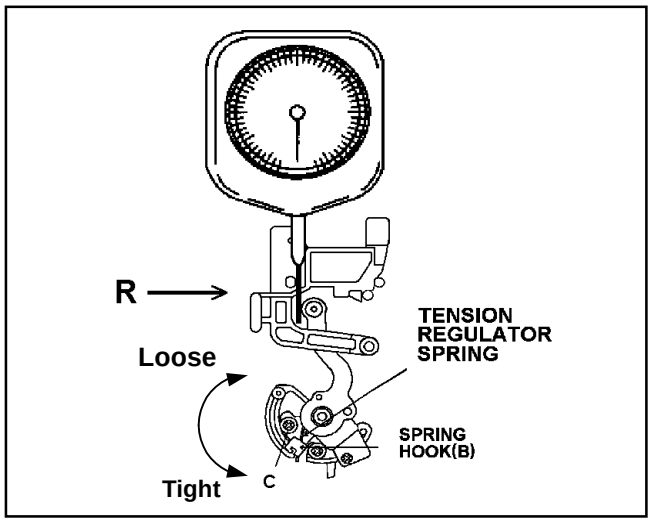


Figure 1-6

1-7. REV Tension Confirmation

SPEC	180mN ± 20mN (18gf ± 2gf)
TEST POINT	Tension: Refer to item "6. Table of Test Point for each adjustment item."
MODE	STOP
TOOL	VFK1188A (Dial Tension Gauge) Digital Volt Meter

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

<For STUDIO RECORDER>

1. Unscrew the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 1-4-1.

<For CAMERA RECORDER>

1. Remove the Cassette Up Unit.

<Adjustment Procedure>

1. Place the VTR into no tape loading mode. (No tape loading procedure is mentioned on item "6. Table of Test Point for each adjustment item.").

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

2. Push the tension post to the direction R by the tension gauge as shown in Figure 1-7 until the voltage at the test point becomes 1.2V (If means REV position).
3. Confirm that the indication (tension) of gauge is within the specification. If not, perform the Tension Spring Adjustment again.
4. After finish this adjustment, grew the screw (A), (B) and (C). The grew quantity at (B) is half of (A) and (C).
   Grew for the screw (A) and (C) should be as big as a grain of rice. For the screw (B), it should be half of that.

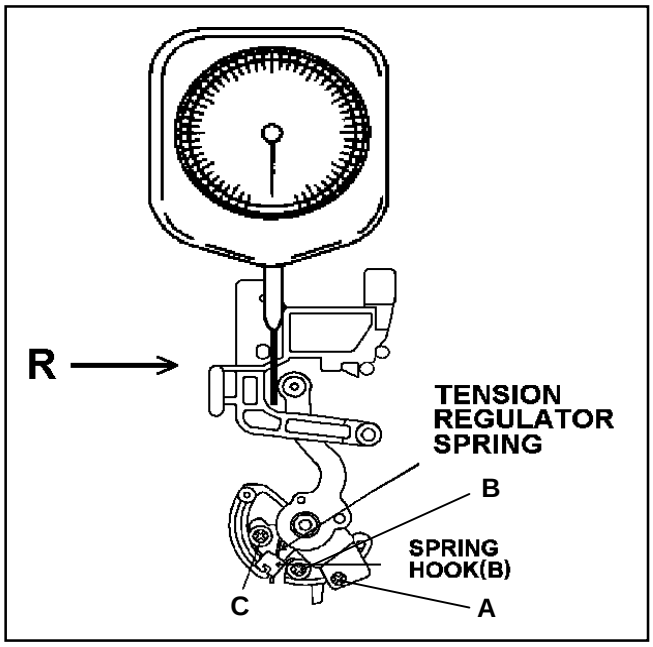


Figure 1-7

1-8. Tension Confirmation

SPEC	PLAY: 0.06N ± 0.01N (6gf ± 1gf) REV: 0.09N ± 0.02N (9gf ± 2gf)
MODE	PLAY, REV ×1
TAPE	63 min M size blank tape
TOOL	VFK1145A (Tension Meter)

♦ Please calibrate Tension Meter before tension measurement by the following procedure.

<Calibration of Tension Meter>

1. Attach the 7 grams calibration plumb to DVCPRO tape. (It's tape and plumb are included in VFK1145.)
2. Set the above tape to the Tension Meter as shown in figure 1-8-1.
3. Pull up the tape as speed of 33mm/sec and adjust the Tension Meter so that the meter shows 7 grams (0.07N).

♦ To calibrate Tension Meter the tape must be pulled up as the direction of tape path of VTR as shown in figure 1-8-1.

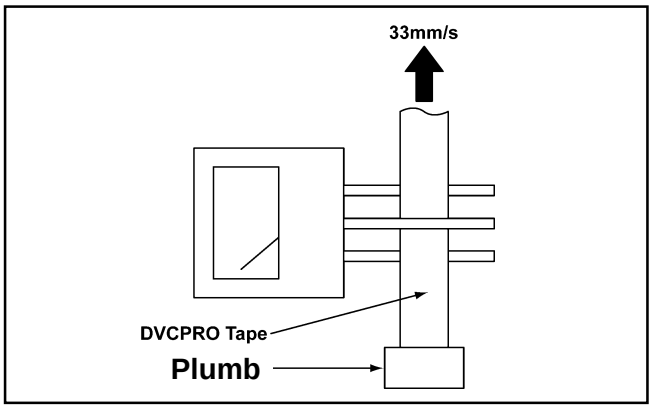


Figure 1-8-1

1. Play back the beginning portion of the tape.
2. Insert the tension meter between S3 post and S4 post as shown in figure 1-8-2.
3. Confirm that the tension value is within the specification.

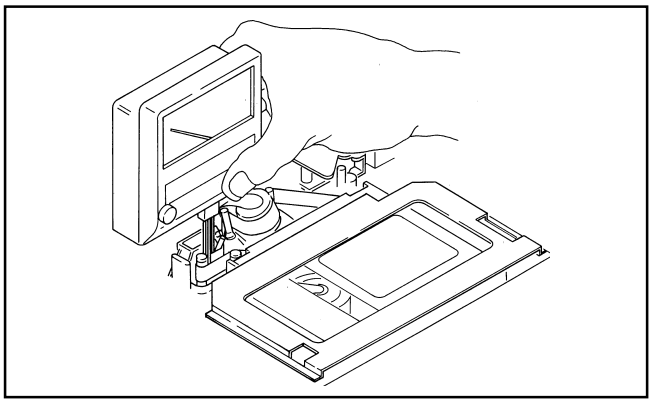


Figure 1-8-2

4. Place the unit in REV x1 mode. (To see how to set REV x1 mode, refer to item "6. Table of Test Point for each adjustment item.").

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

5. Insert the tension meter between S4 post and S5 post as shown in figure 1-8-3. (Direction is reverse)
6. Confirm that the tension value is within the specification. (Read the meter from rear side as shown in figure 1-8-3.)
7. If it is out of specification, please perform the Tension Arm Adjustment.

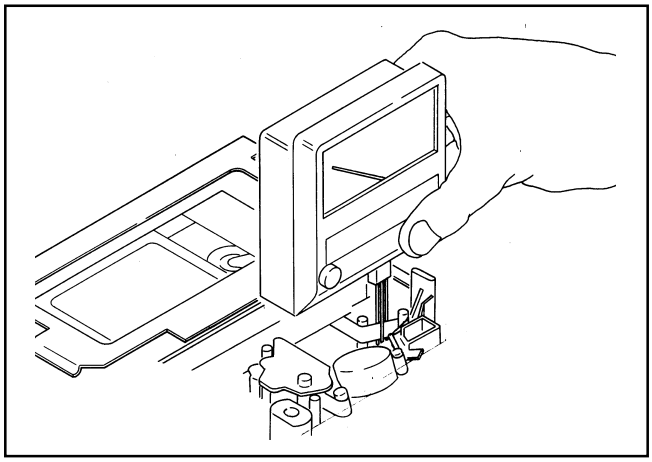


Figure 1-8-3

NOTE :
Play attention not to give some tape damage.

1-9. Photo Sensor Voltage Adjustment

SPEC	2.2 VDC ± 0.6 VDC
TEST POINT	Refer to item "6. Table of Test Point for each adjustment item."
ADJ.	Refer to item "6. Table of Test Point for each adjustment item."
MODE	STOP
TAPE	VFK1423 (Tape Beg./End M Cassette)
M. EQ	Oscilloscope

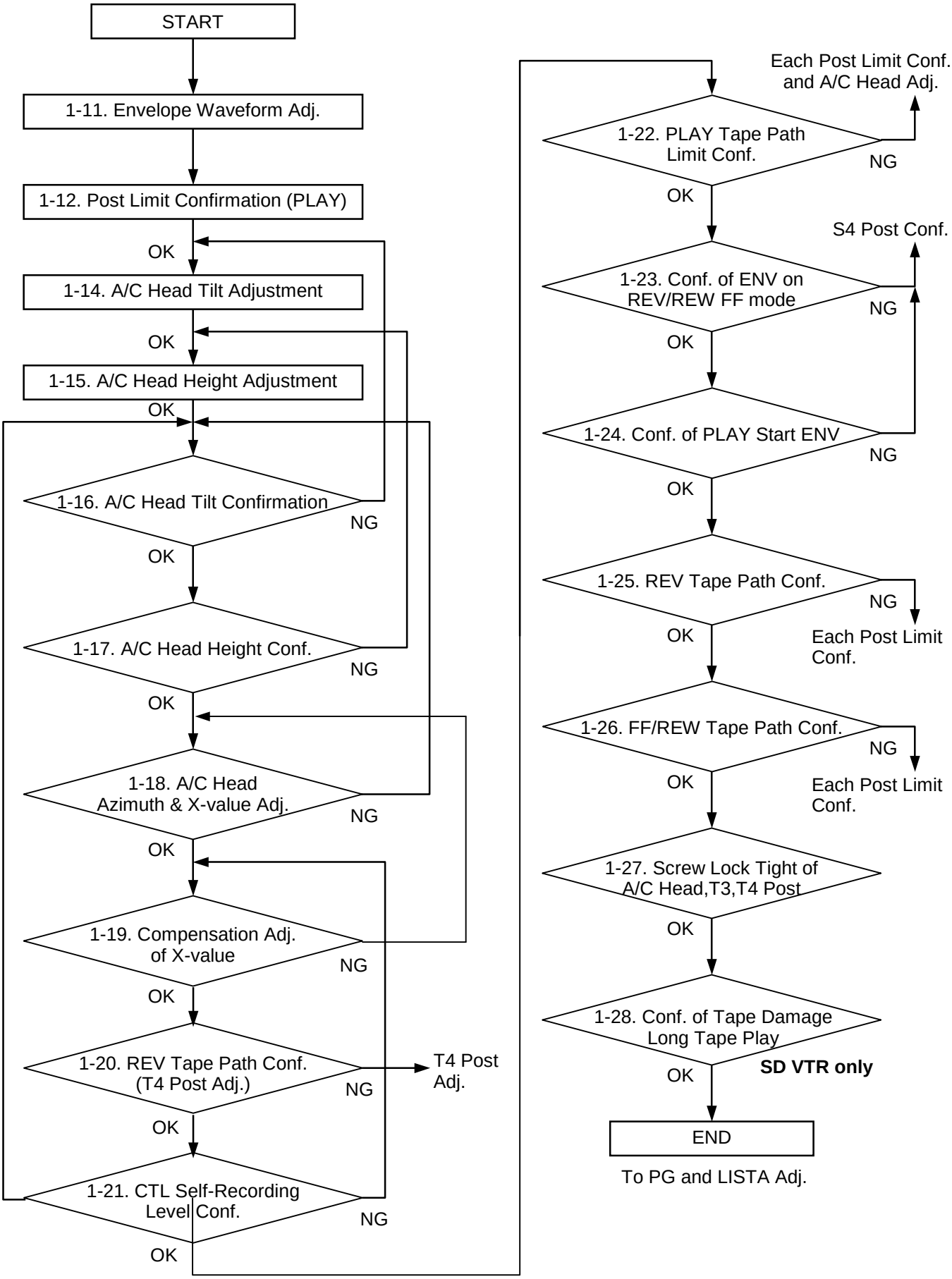
Click this button , then go to item "6. Table of Test Point for each adjustment item.".

1. Open the service menu and select item T PHOTO or S PHOTO.(To see how to select T PHOTO or S PHOTO, refer to item "6. Table of Test Point for each adjustment item.").

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

2. Insert the VFK1423 and measure the voltage which is shown on the menu.
3. Adjust the VR so that the voltage is within the specification.

1-10.Tape Path Adjustment Procedure



1-11. Envelope Waveform Adjustment

SPEC	V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.8	
TEST POINT	Refer to item “6. Table of Test Point for each adjustment item.”	
ADJ.	S1, T1 Post Height	
VTR MODE	SD VTR & CAM	PLAY (ATF) (25M mode)
	HD CAM	PLAY (ATF)
TAPE	SD VTR & CAM	NTSC: VFM3582KM
		PAL :VFM3682KM
	HD CAM	VFM3782KML
M.EQ	Oscilloscope	
TOOL	VFK1149B (Post Driver)	

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.

1. Playback the alignment tape.
2. Adjust S1 and T1 post height so that the envelope signal is within the specification.
3. To adjust the S1 or T1 posts, at first raise the post height. Then the envelope at the entrance or exit side becomes small. Then down the post hight until envelope becomes flat.
4. As the order of adjustment, adjust T1 post to make it flat at exit side of envelope first and then adjust S1 post.
5. After finish this adjustment, unload the tape and load the tape again, then confirm the shape of Envelope waveform does not change.

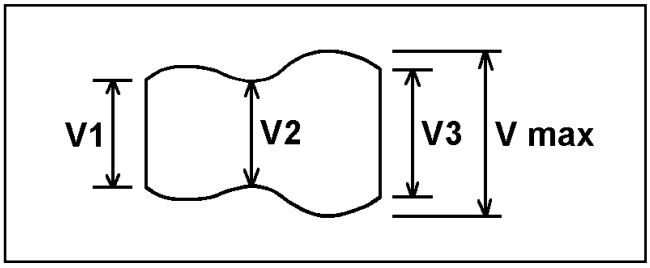


Figure 1-11

1-12. Post Limit Confirmation (PLAY)

SPEC	Post limit is shown in the following table. Curl does not appear on tape edge	
VTR MODE	SD VTR & CAM	PLAY (ATF) (25M mode)
	HD CAM	PLAY (ATF)
TAPE	Blank tape	
TOOL	VFK1149B (Post Driver) VFK1151A (Nut Driver)	

1. Confirm that the tape path limit meets specification in following table. If not, adjust it.
2. Confirm that the D, E and F condition do not appear on the tape as shown in figure.

Post	Limit	Adjustment Method
S5	Lower l or Upper limit	Post Height Pre-Adj.
S4	Lower limit	
S1	Upper limit	Envelope waveform Adj.
T1	Upper limit	
T3	Lower limit	Post Height Pre-Adj.
T4	Upper, Free or Lower limit	

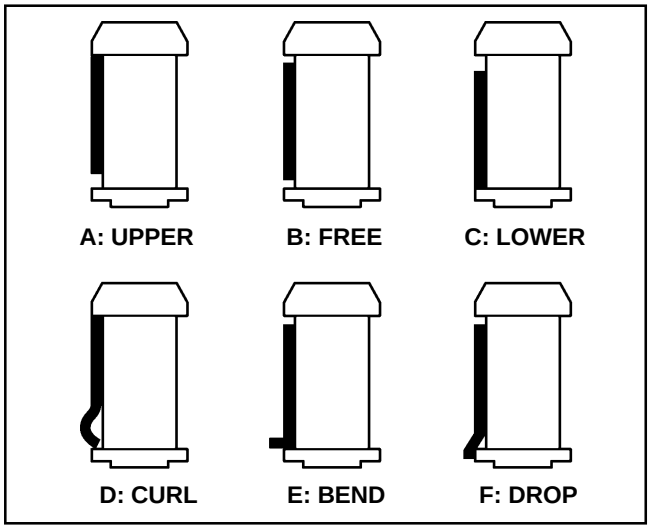


Figure 1-12

1-13. A/C Head Adjustment

Adjustment item	SCREW	Adjustment Method	Torque
Tilt adjustment	A	①. Adjust screw A after loosen screw G. Tighten direction : Decrease Cue level Loosen direction : Increase Cue level ②. Tighten screw G after finish adjustment screw A. (refer to following item “Azimuth adjustment & fix”)	None
Azimuth adjustment	F	①. Phase is adjusted by screw F after loosen screw G ②. Tighten screw G after finish adjustment screw F. (refer to below item “Azimuth adjustment & fix”)	None
Azimuth adjustment & fix	G	Screw (G) must be always tightened during adjustment except Tilt and Azimuth Adjustment.	10cN-m (1.0Kg-cm)
Height adjustment	B	Tighten direction : In case of increase CTL, when A/C Head Press down. Loosen direction : In case of increase CTL, when A/C Head lift up **NOTE : Please refer to figure 1-13-3 for the portion to lift up and press down A/C Head.**	None
Fix height	H	After height adjustment, tighten the screw (H) to fix height of A/C Head. Normally the CUE level is decreased, when the screw (H) is tightened. In this case, loosen the screw (H) 10 to 15 degree from the position tightened to keep the maximum CUE level.	19.6cN-m (2.0Kg-cm)
X-value adjustment	C, D	①. Adjust X-value at Hole (E) by VFK0357, then tighten the screw (C) and (D) to fix A/C Head horizontal position. ②. Hit gently at the portion of A/C Head Top Plate as shown in figure 4-13-4 to confirm the phase shift.	24.6cN-m (2.5Kg-cm)

SCREW	Tool for adjustment
A	VFK1178A (0.89mm Hex Driver)
B	VFK1150A (5.5mm Nut Driver)
F	VFK1148A (1.5mm Hex Driver)
C, D, G	VFK1209A (Torque Driver), VFK1148A (1.5mm Hex Driver) VFK0912 or 1375 (1.5mm Post Axis Driver)
H	VFK1190A (1.5mm L type of Hex Wrench)

1. For Tilt and Azimuth adjustment, loosen the screw (G) first and tighten the screw (G) after finish adjustment. And if need to turn the screw (A) and (F) too much for adjustment, tighten screw (A), (F) and (G) alternately.

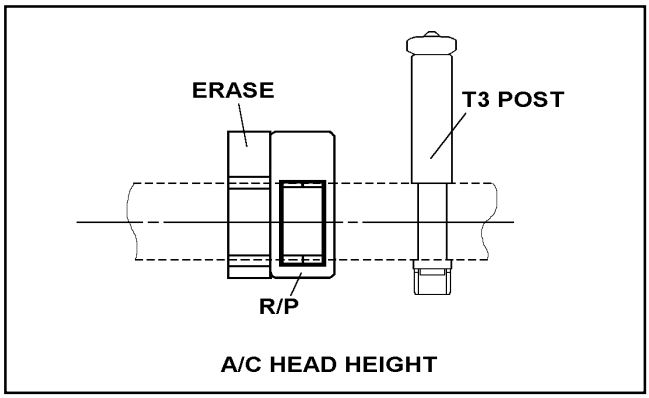


Figure 1-13-1

2. Perform the Height and X-value adjustment under the screw (G) tightened completely.
3. Be careful the tape damage at T3 Post, when adjust tilt of A/C Head. (refer to figure 4-13-1)

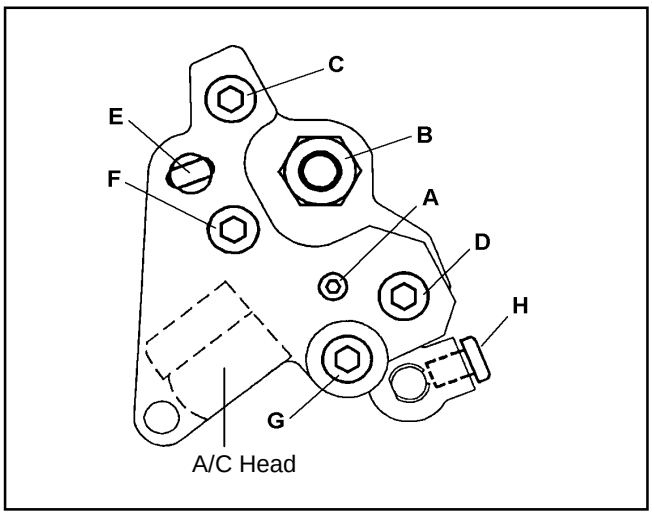


Figure 1-13-2

Confirm the screw (A) isn't loose, before perform A/C Head Tilt adjustment. The screw (A) should be always touch to top of A/C Head.

4. When the height of A/C Head is adjusted by the Nut (B), the screw (H) should be loosen first. And after height adjustment finished, tighten the screw (H) lightly.

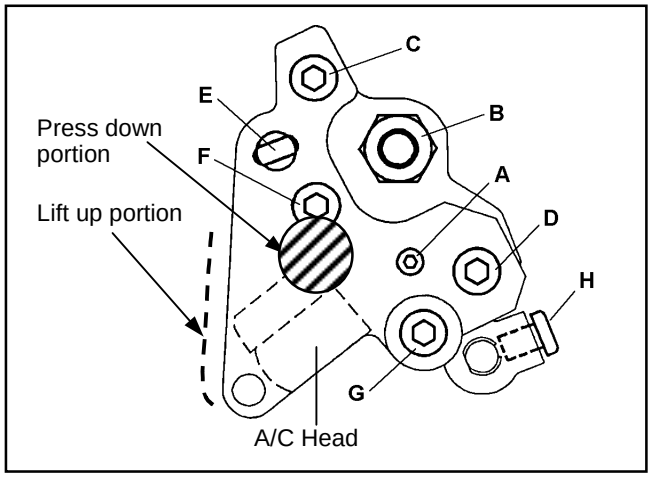


Figure 1-13-3

5. After finish X value adjustment, hit the portion (L) lightly and confirm the specification of X-value.
6. Each adjustment of A/C Head should be finished at the condition of tightening the each adjustment screw. And hit the portion (L) lightly to release the distortion of A/C Head plate.

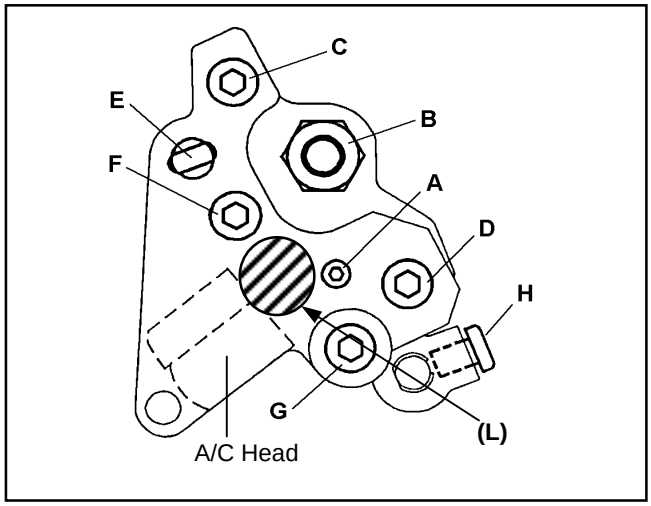


Figure 1-13-4

1-14. A/C Head Tilt Adjustment

SPEC	Curl does not appear on tape edge. Lower limit at T3 post	
ADJ.	SCREW A, G (A/C Head)	
VTR MODE	SD VTR & CAM	PLAY(25M mode)
	HD CAM	PLAY(CTL output level confirmation mode)
TAPE	Blank tape (For the long time play models, long time recorded tape should be used)	
TOOL	VFK1148A, VFK1178A (Hex Driver)	

CTL output level confiramation mode setting procedure is mentioned on item "6. Table of Test Point for each adjustment item."

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

1. Play back the tape and adjust the screw (A) for adjustment of A/C Head tilt so that the tape path has lower limit without curl at T3 post.
2. For adjustment, loosen the screw (G) and make curl on tape at lower flange of T3 post by loosening screw (A). And tighten the screw (A) accordingly to find the point of curl disappeared. After finish adjustment for screw (A), tighten the screw (G) with 10cN-m (1.0Kg/cm) of torque.

NOTE :

1. **In case of turn clockwise the screw (A).**
   → Tape goes up at T3 post.
   In case of turn counter-clockwise the screw (A).
   → Tape goes down at T3 post.
2. **When the screw (A) adjustment is finished, screw adjustment should be finished in tightening direction. And confirm that the screw (A) isn't loose.**
3. **Adjustment and confirmation should be performed alternately for each A/C head adjustment (Azimuth and Height).**

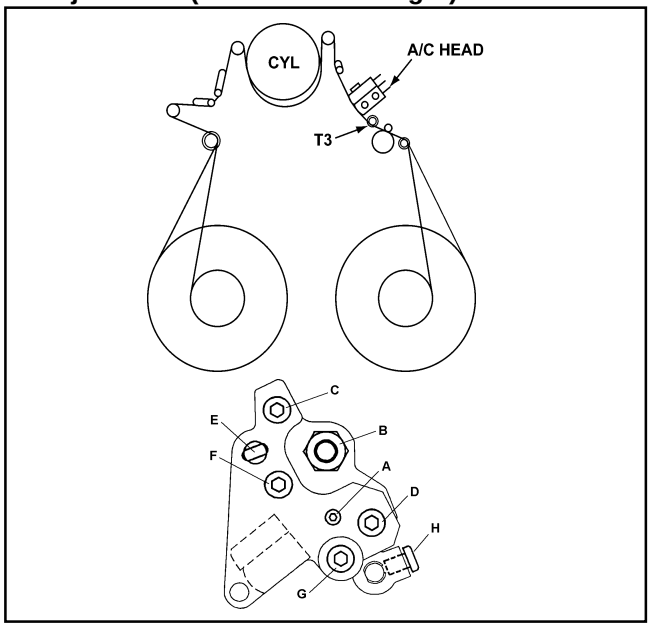


Figure 1-14

1-15. A/C Head Height Adjustment

SPEC	See below	
TEST POINT	CUE AUDIO & CTL: Refer to item "6. Table of Test Point for each adjustment item."	
ADJ.	SCREW B, H (A/C Head)	
VTR MODE	SD VTR & CAM	PLAY(25M mode)
	HD CAM	PLAY(CTL output level confirmation mode)
TAPE	SD VTR & CAM	NTSC: VFM3582KM
		PAL: VFM3682KM
	HD CAM	VFM3782KML
M.EQ	Oscilloscope	
TOOL	VFK1150A (Nut Driver) VFK1190A (Hex Wrench)	

CTL output level confiramation mode setting procedure is mentioned on item "6. Table of Test Point for each adjustment item."

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

<Specification of CUE and CTL output level>

Model	CUE	CTL
SD VTR	A = Amax	C1, C2 ≥ 1.8 V
SD & HD CAM	A = Amax	C1, C2 ≥ 220m V

1. Press and Lift up A/C Head lightly as indicated in following figure, then confirm that the CTL and CUE output level is within the specification.
2. If it is out of spec., loosen the screw H and adjust the screw B until Cue output is maximized.
3. Confirmation of the level have to be done after the screw (H) is tighten completely. (refer to A/C Head Adjustment Method)
4. A/C head height adjustment should be done with Azimuth and X Value adjustment alternately.

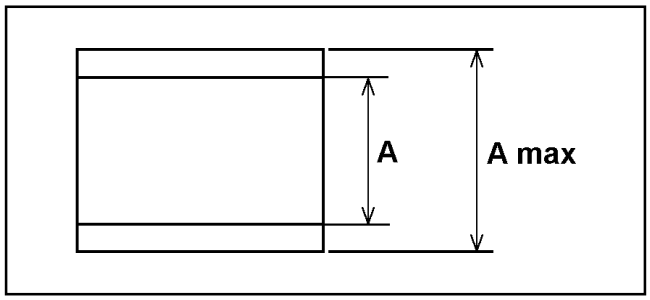


Figure 1-15-1

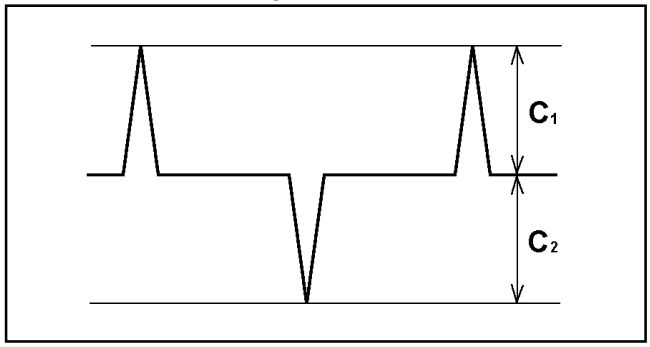


Figure 1-15-2

1-16. A/C Head Tilt Confirmation

SPEC	A/Amax ≥ 0.8	
TEST POINT	CUE AUDIO: Refer to item "6. Table of Test Point for each adjustment item."	
ADJ.	SCREW A, G (A/C Head)	
VTR MODE	SD VTR & CAM	PLAY(25M mode)
	HD CAM	PLAY(CTL output level confirmation mode)
TAPE	SD VTR & CAM	NTSC: VFM3582KM
		PAL: VFM3682KM
	HD CAM	VFM3782KML
M.EQ	Oscilloscope	
TOOL	VFK1178A, VFK1148A (Hex Driver)	

CTL output level confiramation mode setting procedure is mentioned on item "6. Table of Test Point for each adjustment item."

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

1. Playback the Alignment tape.
2. Confirm that the screw (G) and (H) are not loose.
3. Push the tension post the arrow (B) direction as shown in following figure without moving T2 post. And confirm that the CUE output level is within the specification.
4. If out of specification, loosen the screw (G) and adjust the screw (A) (refer to item "1-14 A/C Head tilt Adjustment".)
5. After adjustment performed, confirm the tape path condition by following Post Limit Confirmation procedure (item 1-12).

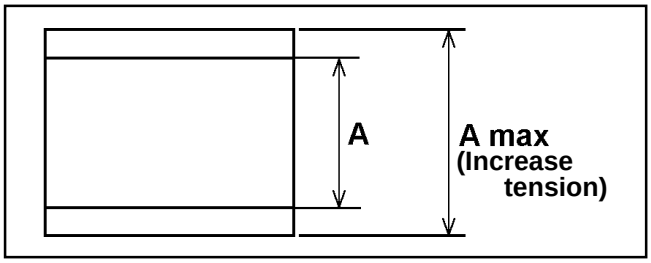


Figure 1-16-1

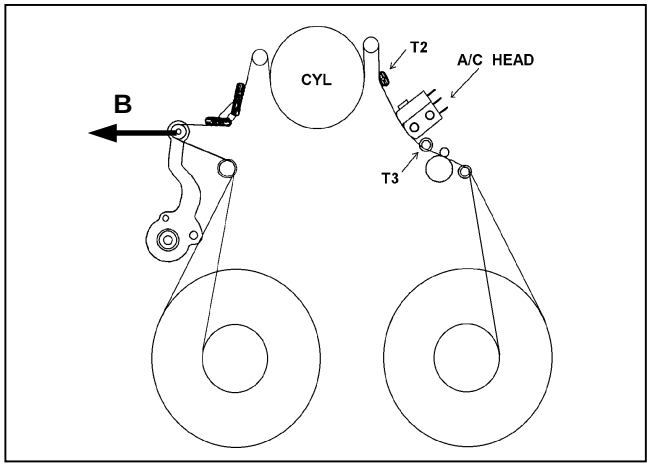


Figure 1-16-2

1-17. A/C Head Height Confirmation

SPEC	See below	
TEST POINT	CUE AUDIO & CTL: Refer to item "6. Table of Test Point for each adjustment item."	
ADJ.	SCREW B, H (A/C Head)	
VTR MODE	SD VTR & CAM	PLAY(25M mode)
	HD CAM	PLAY(CTL output level confirmation mode)
TAPE	SD VTR & CAM	NTSC: VFM3582KM
		PAL: VFM3682KM
	HD CAM	VFM3782KML
M.EQ	Oscilloscope	
TOOL	VFK1150A (Nut Driver) VFK1190A (Hex Wrench)	

CTL output level confiramation mode setting procedure is mentioned on item "6. Table of Test Point for each adjustment item."

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

<Specification of CUE and CTL output level>

Model	CUE	CTL
SD VTR	A = Amax	C1, C2 ≥ 1.8 V
SD & HD CAM	A = Amax	C1, C2 ≥ 220m V

1. Press and Lift up A/C Head lightly as indicated in following figure, then confirm that the CTL and CUE output level is within the specification.
2. If it is out of spec., loosen the screw (H) and adjust the screw (B) until Cue output is maximized. (refer to item "4-15 A/C Head Height Adjustment".)

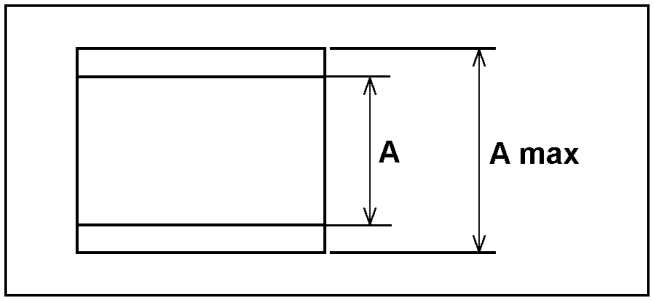


Figure 1-17-1

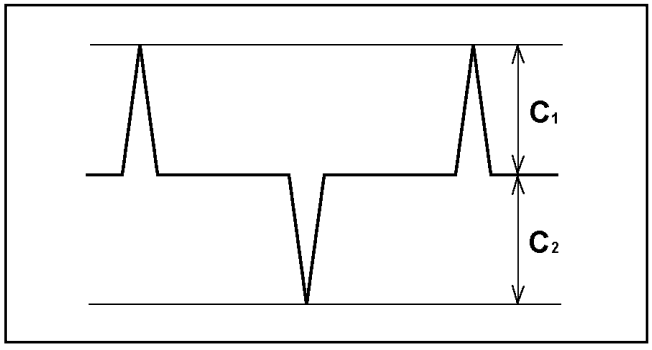
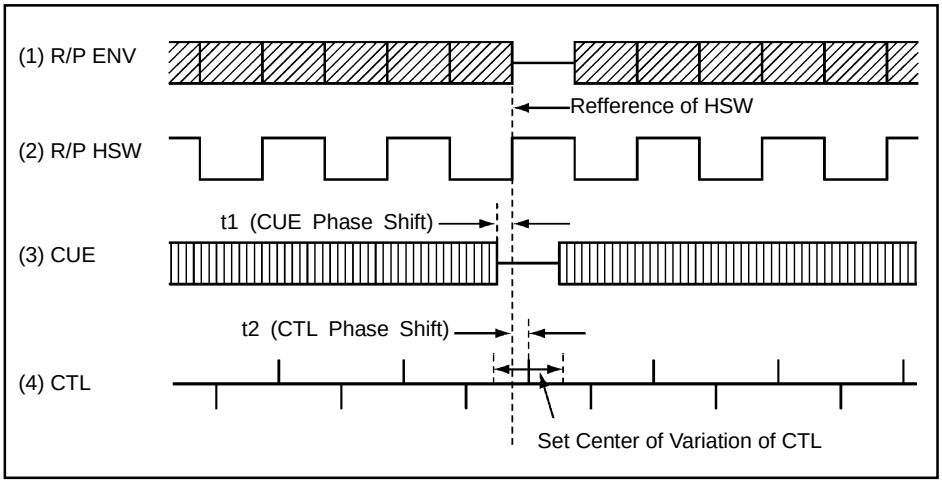
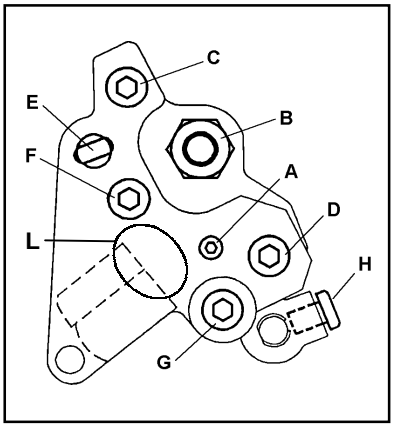


Figure 1-17-2

1-18. A/C Head Azimuth and X-value Adjustment (SD 25M)

SPEC	**-250μs ≤ t1, t2 ≤+250μs**	**TEST POINT**	RP ENV RP HSW CUE CTL	Refer to item "6. Table of Test Point for each adjustment item." **Click this button ■ , then go to item "6. Table of Test Point for each adjustment item."**
ADJ.	A/C Head each screw (C,D,F,G) and hole	**M.EQ**	Oscilloscope	
AFJUSTMENT MODE	PLAY(RP Head /ATF) Refer to item "6. Table of Test Point for each adjustment item.	**TOOL**	VFK0357 (Eccentric Driver) VFK1148A (Hex Driver) VFK1209A (Torque Driver) VFK0912 or VFK1375 (Hex Bit)	
TAPE	**NTSC :** VFM3582KM, **PAL :** VFM3682KM			
CTL reference	Riging edge			





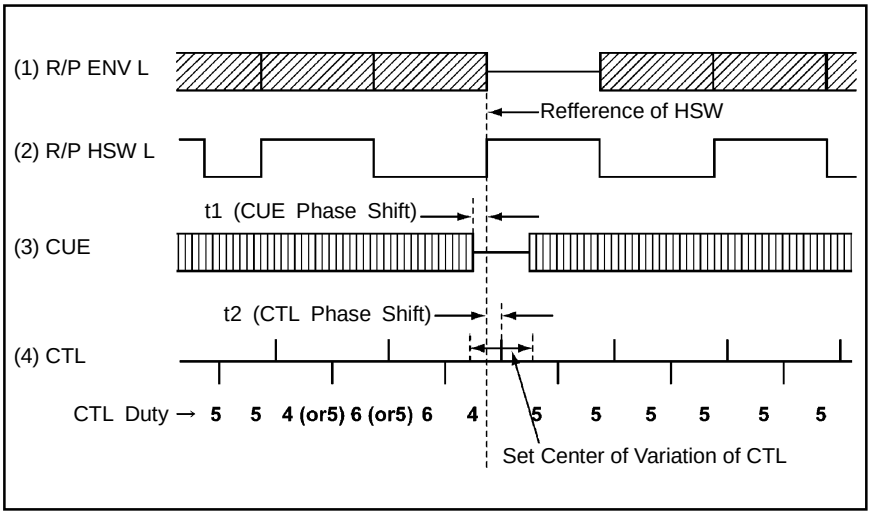
1. Set the Adjustment mode.

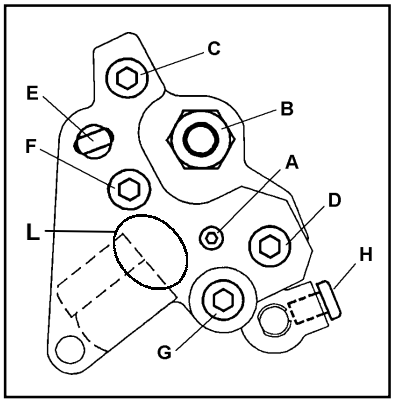
Adjustment mode setting procedure is mentioned on item "6. Table of Test Point for each adjustment item."
Click this button ■ , then go to item "6. Table of Test Point for each adjustment item."

2. Playback an X-value Alignment tape.
3. Confirm that the rising edge of CTL match with the front position of non-recorded portion of CUE. If not adjust the Screw (F) to match both phase.
4. Confirm the non-recorded portion of envelope, and select the HSW to meet with it (L ch of tape with non-recorded portion meets HSW high).
5. Adjust A/C Head Horizontal position so that the reference of HSW match with CTL trigger in the phase (t1). To adjust X-value, loosen the screw (C) and (D), then adjust the hole (E) by VFK0357. After adjustment, tighten the screw (C) and (D) with 24.6cN-m (2.5Kg) torque. At this time adjust the phase simultaneously with Azimuth so that the CTL and CUE phase is kept.
6. Hit the top plate (portion L as shown in figure) of A/C Head lightly, then confirm the phase is not shifted finally.
7. Fix the screw by Lock Tight glue after the adjustment.

1-18. A/C Head Azimuth and X-value Adjustment (SD 50M)

SPEC	**25M mode : -250μs ≤ t1, t2 ≤ +250μs** **50M mode : -125μs ≤ t1, t2 ≤ +125μs**	**TEST POINT**	Refer to item "6. Table of Test Point for each adjustment item." **Click this button , then go to item "6. Table of Test Point for each adjustment item."**
ADJ.	A/C Head each screw(C,D,F,G) and hole (E)	**M. EQ**	Oscilloscope
ADJUSTMENT MODE	Refer to item "6. Table of Test Point for each adjustment item."	**TOOL**	VFK0357 (Eccentric Driver) VFK1148A (Hex Driver) VFK1209A (Torque Driver) VFK0912 or VFK1375 (Hex Bit)
TAPE	**NTSC :** VFM3582KM, **PAL :** VFM3682KM		
CTL reference	Riging edge		





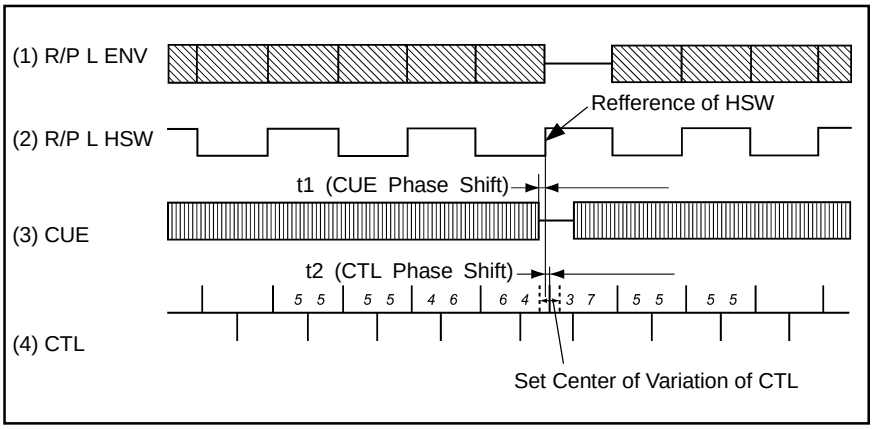
1. Set the Adjustment mode.
2. Set the VTR in 25M mode and playback an X-value Alignment tape.
   25M/50M mode and Adjustment mode setting procedure is mentioned on item "6. Table of Test Point for each adjustment item."

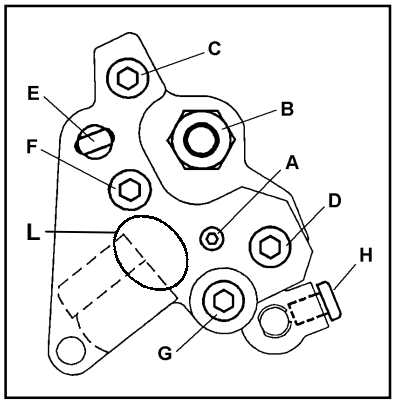
Click this button , then go to item "6. Table of Test Point for each adjustment item."

3. Confirm that the rising edge of CTL match with the front position of non-recorded portion of CUE. If not adjust the Screw (F) to match both phase.
4. Adjust A/C Head Horizontal position so that CTL trigger at the frame start match with the reference of HSW (t2). The frame start CTL is located at the edge between 6 : 4 and 5 : 5 portion. To adjust A/C Head Horizontal position, loosen the screw (C) and (D), then adjust the hole (E) by VFK0357. After adjustment, tighten the screw (C) and (D) with 24.6cN (2.5Kgf) torque.
5. Hit the top plate (portion L as shown in figure) of A/C Head lightly, then confirm the phase is not shifted finally.
6. Confirm that t1 and t2 is within SPEC. If not, return to item 3.
7. Set the VTR in 50M mode and confirm the timing is within the specification. If it is out of spec., return to item 3.
8. Fix the screw by Lock Tight glue after the adjustment.

1-18. A/C Head Azimuth and X-value Adjustment (HD CAM)

SPEC	**HD LP mode : -125μs ≤ t1, t2 ≤ +125μs**	**TEST POINT**	Refer to item "6. Table of Test Point for each adjustment item." **Click this button , then go to item "6. Table of Test Point for each adjustment item."**
ADJ.	A/C Head each screw(C,D,F,G) and hole (E)	**M. EQ**	Oscilloscope
ADJUSTMENT MODE	Refer to item "6. Table of Test Point for each adjustment item."	**TOOL**	VFK0357 (Eccentric Driver) VFK1148A (Hex Driver) VFK1209A (Torque Driver) VFK0912 or VFK1375 (Hex Bit)
TAPE	VFM3782KML		
CTL reference	Rising edge		





1. Set the Adjustment mode.

Adjustment mode setting procedure is mentioned on item "6. Table of Test Point for each adjustment item."

Click this button , then go to item "6. Table of Test Point for each adjustment item."

2. Playback an X-value Alignment tape on HD LP mode.
3. Confirm that the rising edge of CTL match with the front position of non-recorded portion of CUE. If not adjust the Screw (F) to match both phase.
4. Adjust A/C Head Horizontal position so that CTL trigger at the frame start match with the reference of HSW (t2). The frame start CTL is located at the edge between 6 : 4 and 7 : 3 portion. To adjust A/C Head Horizontal position, loosen the screw (C) and (D), then adjust the hole (E) by VFK0357. After adjustment, tighten the screw (C) and (D) with 24.6cN (2.5Kgf) torque.
5. Hit the top plate (portion L as shown in figure) of A/C Head lightly, then confirm the phase is not shifted finally.
6. Confirm that t1 and t2 is within SPEC. If not, return to item 3.
7. Fix the screw by Lock Tight glue after the adjustment.

1-19. Compensation Adjustment Of X Value

Please refer to item “3. Compensation Adjustent of X value” about X value compensation.

Click this button , then go to item “3. Compensation Adjustmnet of X value.”

1-20. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment)

SPEC	①. C1, C2 ≥ Cp1, Cp2×0.75 **NOTE:** **C1, C2: CTL output REV (-1) mode** **Cp1, Cp2: CTL output PLAY (+1) mode.** ②. Lower limit at T3 post on REV mode. ③. Curl does not appear on tape at T3 and T4 post.	
TEST POINT	CTL: Refer to item “6. Table of Test Point for each adjustment item.”	
ADJ.	T4 post height	
VTR MODE	SD VTR & CAM	25M mode
	HD CAM	CTL output level confirmation mode
	To see how to set PLAY and REV x1 mode, refer to item “6. Table of Test Point for each adjustment item.”	
TAPE	SD VTR & CAM	NTSC: VFM3582KM
		PAL: VFM3582KM
	HD CAM	VFM3782KML
M.EQ	Oscilloscope	
TOOL	VFK1151A (Nut Driver)	

Click this button , then go to item “6. Table of Test Point for each adjustment item.”

1. Confirm that the CTL level on 25M mode(SD VTR & CAM) or CTL output level confirmation mode(HD CAM).
2. Place unit into REV X1 mode and confirm the CTL output level becomes more than 75% at play mode. Confirm the tape path limit becomes lower limit at T3 post and the tape does not have curl at T3 and T4 post.
3. If it is out of specification, adjust T4 post by following procedure.
4. Turn the Nut of T4 post clockwise or counterclockwise by the tape limit condition at T3 post. The maximum rotation angle should be 45 degree.
5. However if still it is out of specification, adjust T4 post height by following the item “4-1. Post Height Pre-adjustment procedure”.

[T4 Nut Adjustment Direction]

Direction	CTL Level	Condition of lower limit on T3 Post
Tighten	Increase	Tape touch to strong
Loosen	Decrease	Tape touch to weak

[Post limit]

Post	A	B	C	D	E	F
T3	NG	NG	OK	NG	NG	NG
T4	OK	OK	OK	NG	NG	NG

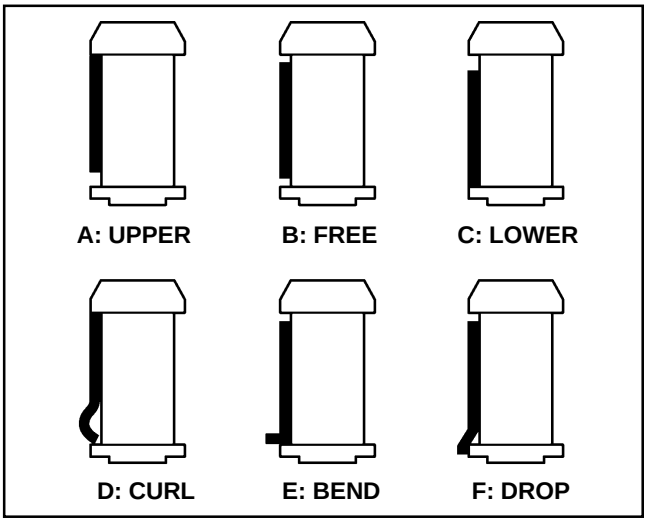


Figure 1-20-1

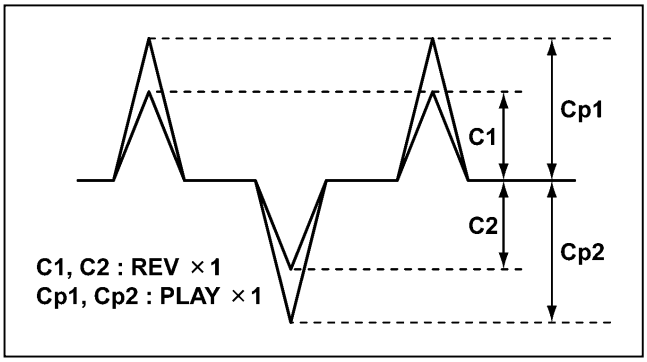


Figure 1-20-2

1-21. CTL Self Recording Level Confirmation

SPEC.	See below	
TEST POINT	CTL: Refer to item “6. Table of Test Point for each adjustment item.”	
ADJ.	T4 post height	
VTR MODE	SD VTR & CAM	25M mode
	HD CAM	CTL output level confirmation mode
	To see how to set PLAY and REV x1 mode, refer to item “6. Table of Test Point for each adjustment item.”	
TAPE	Blank Tape M cassette 66 min	
M.EQ	Oscilloscope	

Click this button , then go to item “6. Table of Test Point for each adjustment item.”

(Specification for confirmation)

Model	CTL Output level : C1, C2
PLAY	
SD VTR	C1, C2 ≥ 1.8 V
SD & HD CAM	C1, C2 ≥ 220mV
REV (-1)	
SD VTR	C1, C2 ≥ 1.4 V
SD & HD CAM	C1, C2 ≥ 170mV
REV (-0.2)	
SD VTR	C1, C2 ≥ 1.2 V
SD & HD CAM	No required

1. Please confirm that the each screws are fixed on A/C Head.
2. Confirm that the CTL level on 25M mode(SD VTR & CAM) or CTL output level confirmation mode(HD CAM).
3. Place Unit into REC mode and playback the recorded portion.
4. Confirm that the CTL level is within the specification at PLAY and REV mode.
5. If CTL level is out of specification at PLAY mode, confirm the height of A/C Head (refer to item “1-17. A/C Head Height Confirmation”)
6. If CTL level is out of specification at REV mode, confirm the height of T4 Post (refer to item “1-20. REV Tape Path Confirmation and Adjustment”).

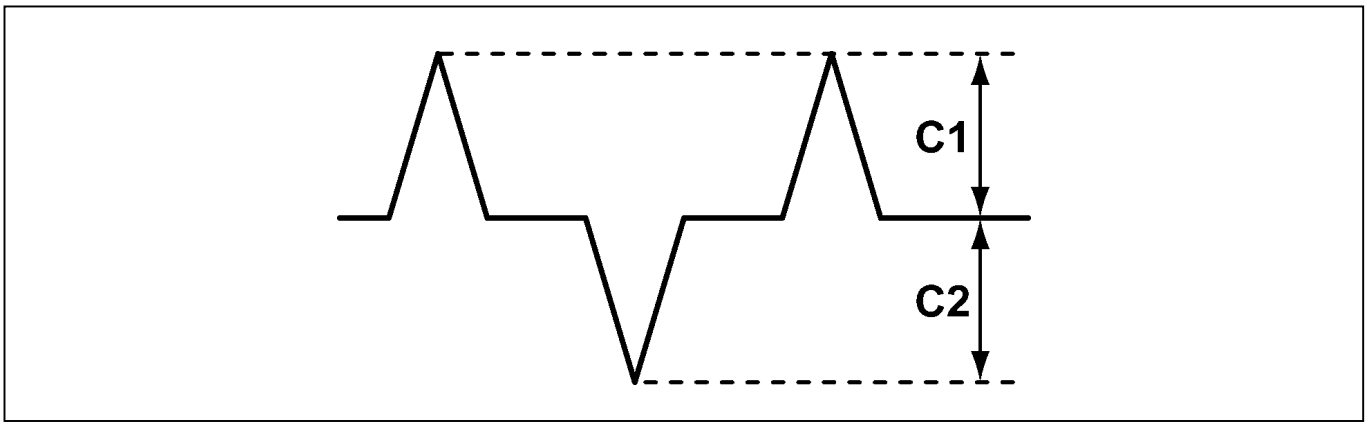


Figure 1-21

1-22. Play Tape Path Limit Confirmation

SPEC	Each post limit shown in figure below (refer to Table 1-22).	
VTR MODE	PLAY	
TAPE	SD VTR & CAM	NTSC: VFM3582KM or Blank Tape
		PAL: VFM3682KM or Blank Tape
	HD CAM	VFM3782KML or Blank Tape

Post Name	**Tape limit (refer to figure)**						**Adjustment Point**	**Adjustment Item**
	A	**B**	**C**	**D**	**E**	**F**		
S5 post	OK	OK	NG	NG	NG	NG	S4, S5 post	Post Height Pre-Adjustment
S4 (Tension) post	NG	NG	OK	NG	NG	NG		
S1 post	OK	NG	NG	NG	NG	NG	S1, T1 post	ENV Waveform Adjustment
T1 post	OK	NG	NG	NG	NG	NG		
T3 post	NG	NG	OK	NG	NG	NG	A/C Head tilt screw	A/C Head Tilt Adjustment
T4 post	OK	OK	OK	NG	NG	NG	T4 post	Post Height Pre-Adjustment

Table 1-22

1. Place unit into PLAY mode and confirm the each post limits is within the specification.
2. If out of specification, adjust the post height by following the each adjustment procedure (Refer to above table).

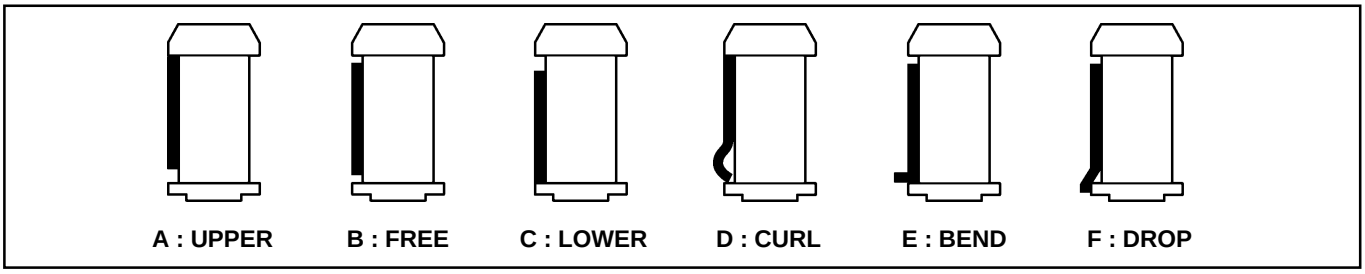


Figure 1-22

1-23. Confirmation of Envelope on REV, REW and FF mode

SPEC	Waveform must be Diamond Style. All the peak level must be more than 90% of maximum level. V/Vmax ≥ 0.9	
TEST POINT	Refer to item "6. Table of Test Point for each adjustment item."	
VTR MODE	REV, REW, FF	
TAPE	SD VTR & CAM	NTSC: VFM3582KM
		PAL: VFM3682KM
	HD CAM	VFM3782KML
M.EQ	Oscilloscope	

Click this button , then go to item "6. Table of Test Point for each adjustment item.".

1. Confirm that the Envelope waveform becomes in the specification at REV, REW and FF mode as following.
   - Waveform must be Diamond Style. (Figure 1-23)
   - All the peak level must be more than 90% of maximum level.
     V/Vmax ≥ 0.9
2. If out of spec, adjust S4 post height. (refer to item "1-1.Post Height Pre-Adjustment")

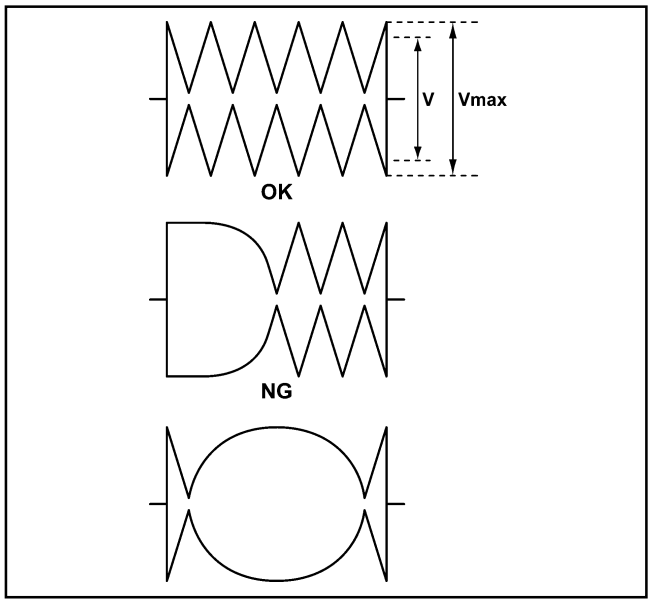


Figure 1-23

1-24. Confirmation of Play Start Envelope

SPEC	Envelope Waveform signal should be rising up immediately at PLAY mode.
TEST POINT	Refer to item “6. Table of Test Point for each adjustment item.”
VTR MODE	REW/REV → PLAY, Loading completion → PLAY, FF→ PLAY
TAPE	M Cassette (66min, Recorded tape) Tape beginning portion
M.EQ	Oscilloscope

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.

NOTE: Shift to PLAY after FF·REW stands up at high speed. Not suitable beginning or end of tape portion and low speed condition of mode switchover condition.

This adjustment must be done after Envelope Waveform Adjustment.

1. Confirm that the envelope appears immediately, when the mode is changed from REW to PLAY, REV to PLAY, FF to PLAY, and Lording to PLAY mode.
2. If out of spec, adjust S4 post height. (refer to item “1-1. Post Height Pre-Adjustment”)

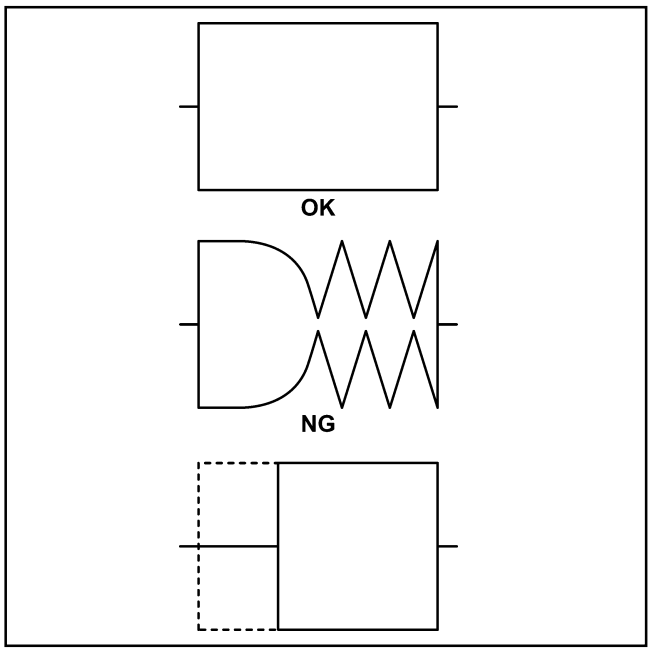


Figure 1-24

1-25. REV mode Tape Path Limit Confirmation

SPEC	Each post limit shown in below figure (Refer to Table 1-25 and Figure 1-25)	
VTR MODE	REV	
TAPE	SD	NTSC: VFM3580KM or Blank tape
		PAL: VFM3580KM or Blank tape
	HD	VFM3782KML or Blank tape

Post Name	**Tape Limit (Refer to figure 1-25)**					
	A	**B**	**C**	**D**	**E**	**F**
S5 Post	OK	OK	OK	NG	NG	NG
S4 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S1 Post	OK	NG	NG	NG	NG	NG
T1 Post	OK	OK	OK	NG	NG	NG
T3 Post	NG	NG	OK	NG	NG	NG
T4 Post	OK	OK	OK	NG	NG	NG

Table 1-25

1. Place unit into REV mode and confirm the each post limits is within the specification.
2. If out of specification, adjust the post height by following the each adjustment procedure (Refer to Table 1-22 on item 1-22)

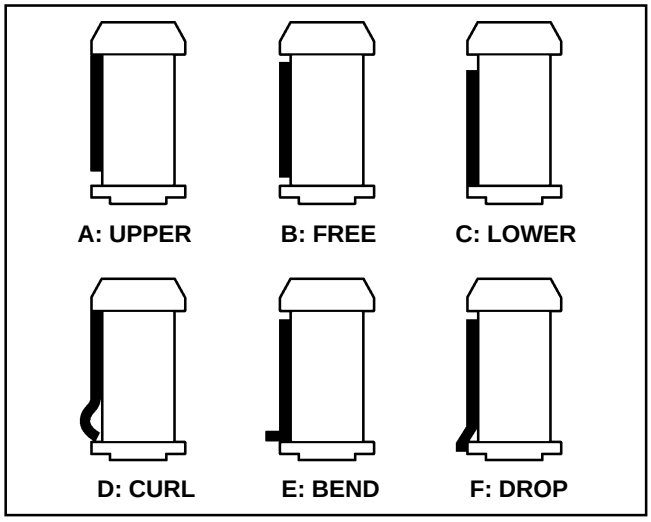


Figure 1-25

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.
(How to set REV mode)

1-26. FF, REW mode Tape Path Limit Confirmation

SPEC	Each post limit shown in below figure (Refer to Table 1-25 and Figure 1-26)	
VTR MODE	FF, REW	
TAPE	SD	NTSC: VFM3580KM or Blank tape
		PAL: VFM3580KM or Blank tape
	HD	VFM3782KML or Blank tape

Post Name	Tape Limit (Refer to figure 1-25)					
	A	B	C	D	E	F
S5 Post	OK	OK	OK	NG	NG	NG
S4 Post (Tension Post)	NG	OK	OK	NG	NG	NG
S1 Post	OK	NG	NG	NG	NG	NG
T1 Post	OK	OK	OK	NG	NG	NG
T3 Post	OK	OK	OK	NG	NG	NG
T4 Post	OK	OK	OK	NG	NG	NG

Table 1-26

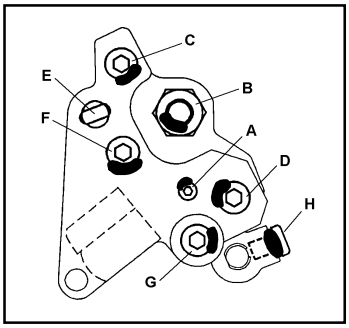
1. Place unit into FF and REW mode and confirm the each post limits is within the specification.
2. If out of specification, adjust the post height by following the each adjustment procedure (Refer to Table 1-22 on item 1-22)

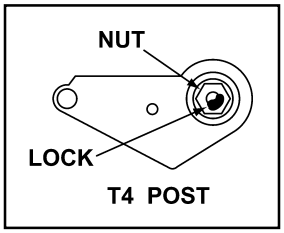
1-27. Screw Lock Tight of A/C Head and T3, T4 Post

<Screw Lock Tight of A/C Head>

	SCREW A	OTHER SCREWS
Lock Tight Grew Quantity	1/3 of the screw	1/3 of the screw

1. Fix the screw by the Lock Tight Grew after A/C Head Adjustment as shown in figure below.
2. Melt the grew before adjust each screws.





<Screw Lock Tight of T3 and T4 Post>

	SCREW A	OTHER SCREWS
Lock Tight Grew Quantity	1/4 of the screw	1/4 of the screw

1. Fix the Nut by the Lock Tight Grew after T4 Post Height Adjustment.
2. Melt the grew before perform adjustment.

1-28. Confirmation of Tape Damage for Long Tape Playback (SD VTR only)

<Confirmation procedure>

Item	Confirmation mode	Specification
Tape Damage ①	PLAY	Tape damage does not occurred on tape at lower limit of T3 and T4 post.
	X 0.5 speed (step slow)	
	<Tape> Long time L cassette (AJ-5P93LP : recorded tape) Tape beginning portion	
Tape Damage ②	SHTL	Tape damage does not occurred on tape at lower limit of T3 and T4 post.
	Repeat operation FWD←→REV mode (maximum speed at Pinch ON condition)	
	<Tape> Long time L cassette (AJ-5P93LP : recorded tape) Tape end portion	

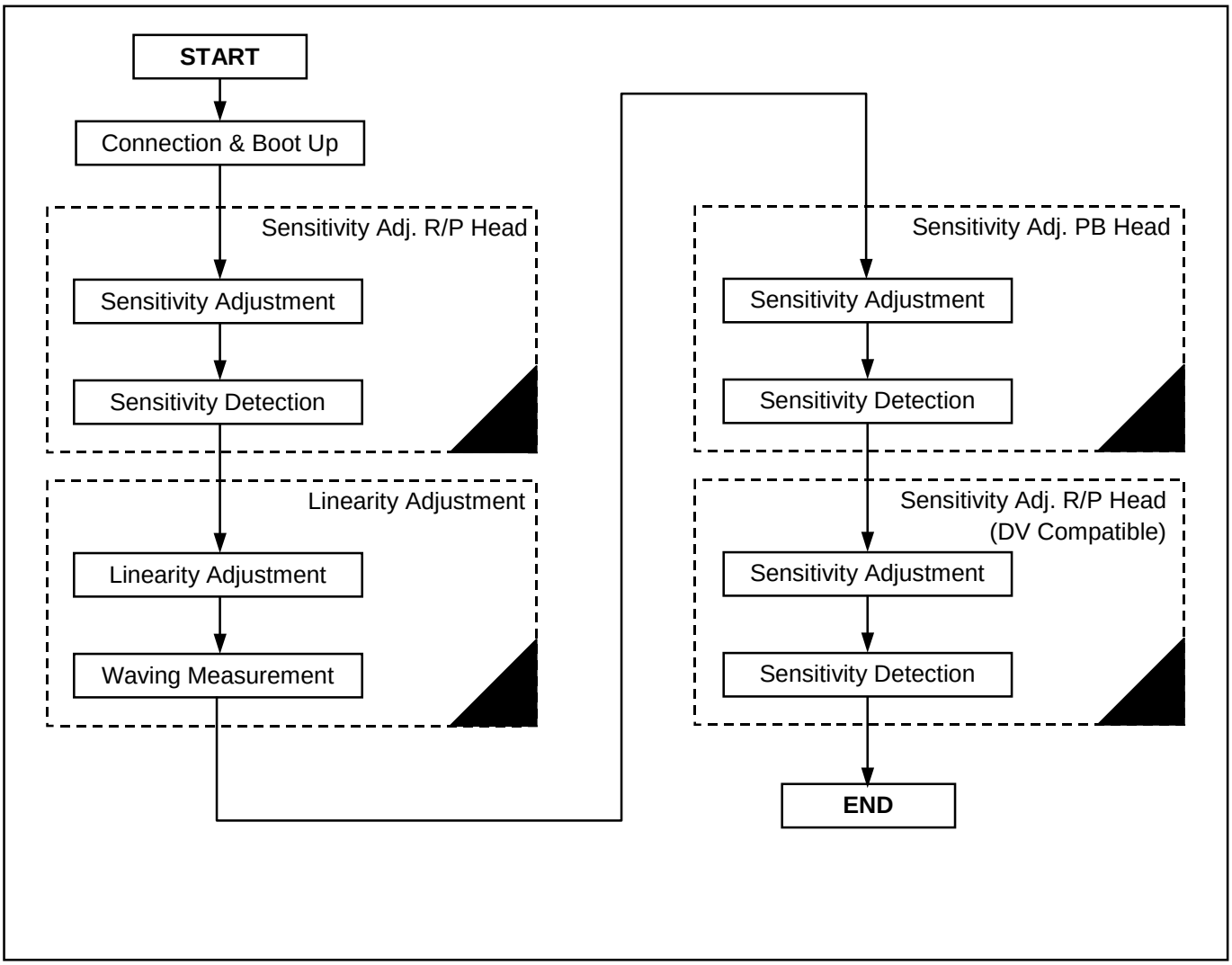
NOTE: Please use to recorded tape, which is recorded by 50M mode for this confirmation (In case of 50M model).

1. Place unit into above indicated confirmation mode.
2. Confirm that the tape damage does not occurred on tape at lower limit of T3 and T4 post.
3. If tape damage occurred, adjust T4 post height. (refer to item "1-20. REV Tape Path Confirmation and Adjustment")

1-29. LISTA Adjustment Procedure (SD 25M VTR)

Please adjust each items by following the flow chart to perform the LISTA adjustment.

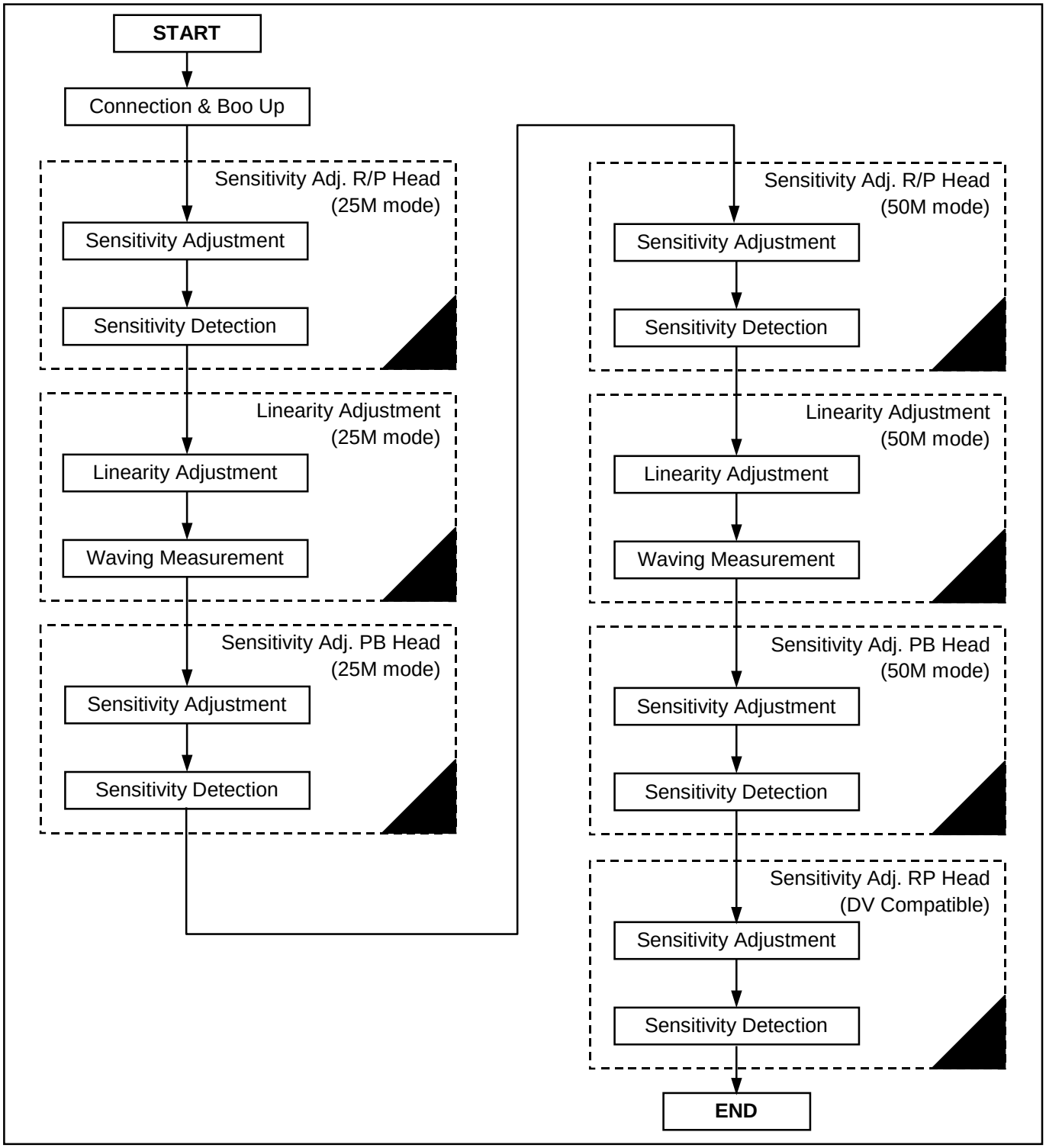
1. Refer to the item “1-32. LISTA Sensitivity Adjustment & Detection” about procedure of the sensitivity adjustment and sensitivity detection.
2. Refer to the item “1-33. LISTA Linearity Adjustment & Waving Measurement” about procedure of the linearity adjustment.



1-29. LISTA Adjustment Procedure (SD 50M VTR)

Please adjust each items by following the flow chart to perform the LISTA adjustment.

1. Refer to the item “1-32. LISTA Sensitivity Adjustment & Detection” about procedure of the sensitivity adjustment and sensitivity detection.
2. Refer to the item “1-33. LISTA Linearity Adjustment & Waving Measurement” about procedure of the linearity adjustment.



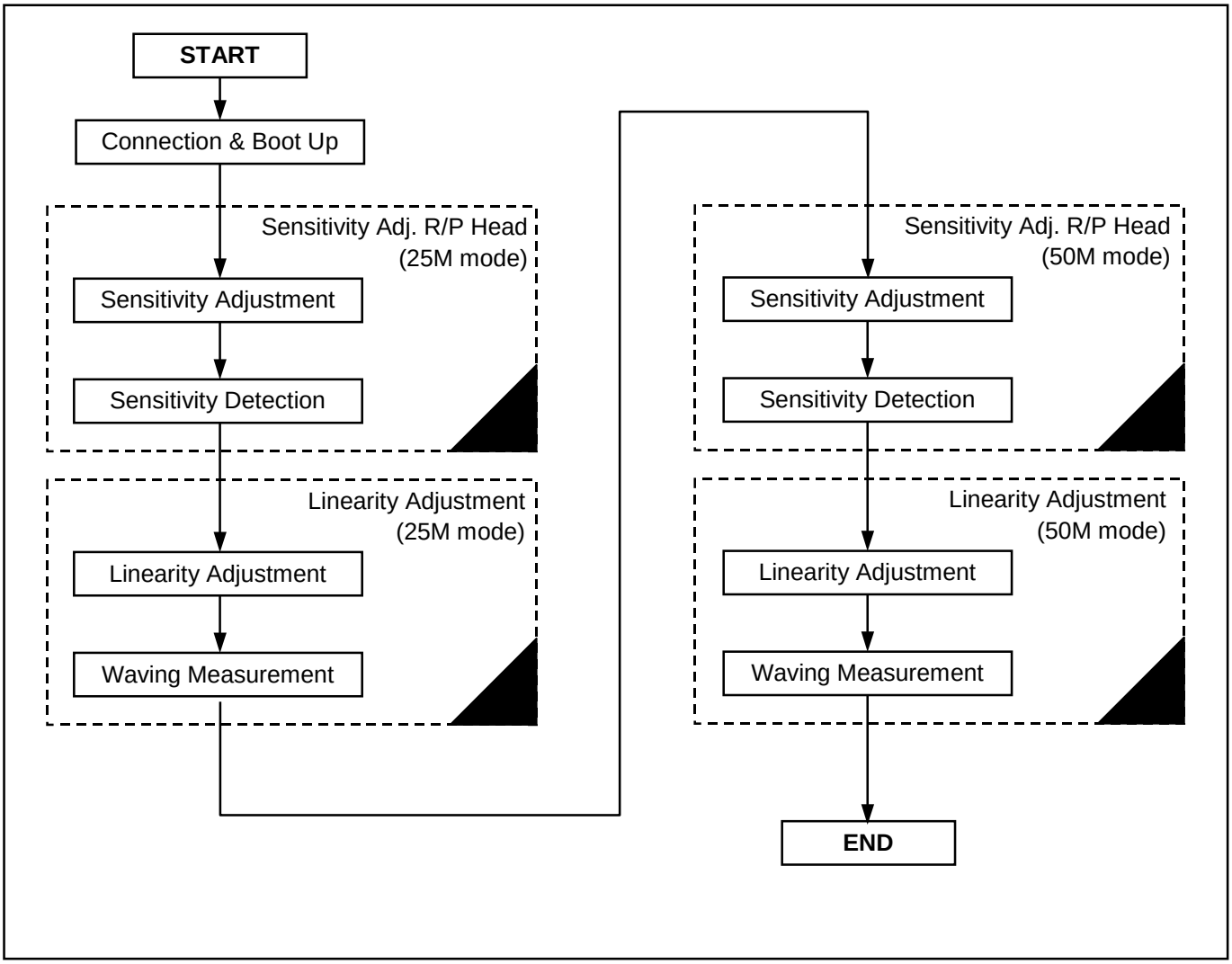
<Information>

Mode changes 25M ←→ 50M of LISTA software can be performed on the LISTA main menu by press **“0”** key on Keyboard of PC..

1-29. LISTA Adjustment Procedure (SD 50M CAM)

Please adjust each items by following the flow chart to perform the LISTA adjustment.

1. Refer to the item “1-32. LISTA Sensitivity Adjustment & Detection” about procedure of the sensitivity adjustment and sensitivity detection.
2. Refer to the item “1-33. LISTA Linearity Adjustment & Waving Measurement” about procedure of the linearity adjustment.

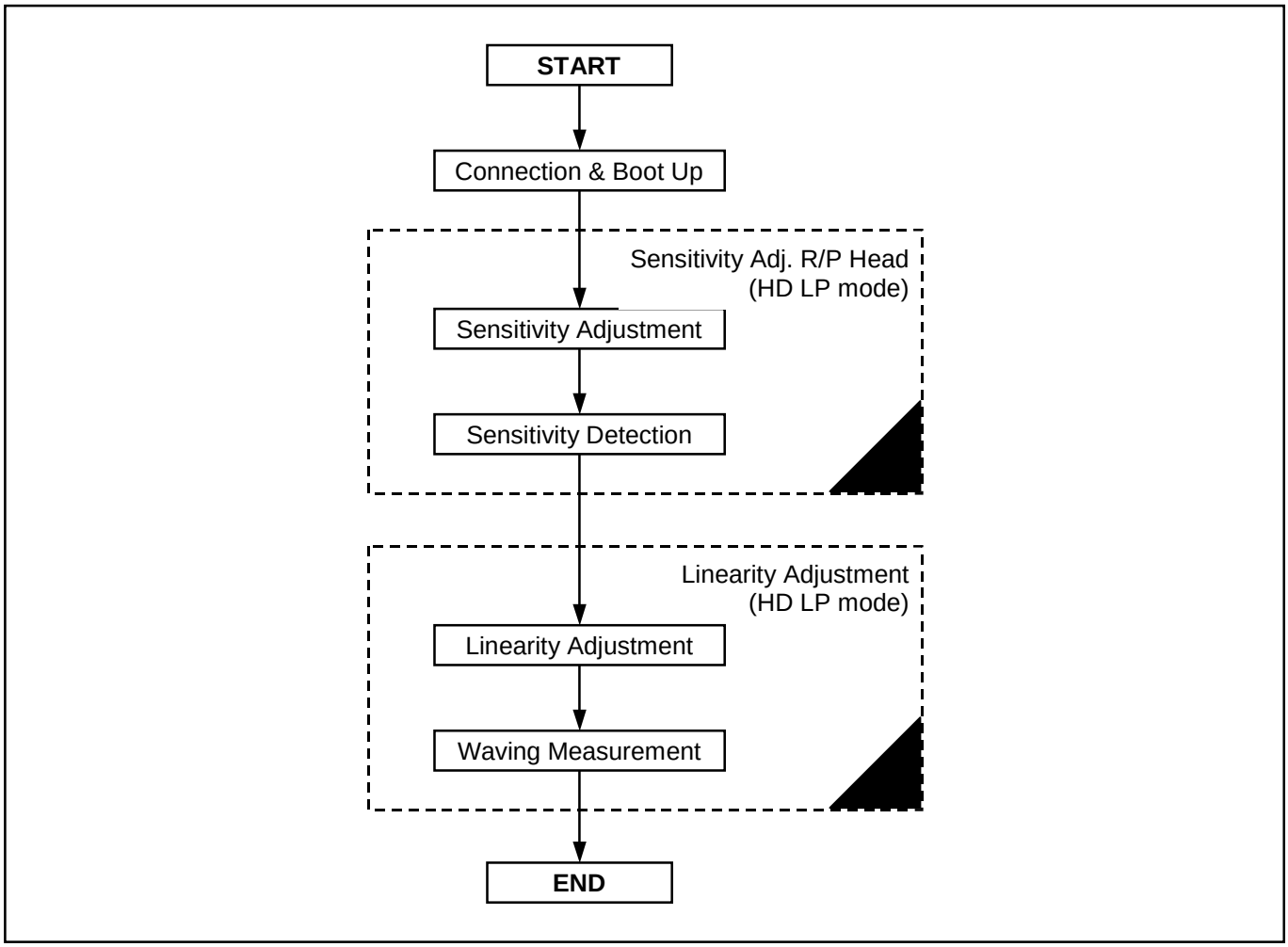


<Information>
Mode changes 25M ←→ 50M of LISTA software can be performed on the LISTA main menu by press **“0”** key on Keyboard of PC..

1-29. LISTA Adjustment Procedure (HD CAM)

Please adjust each items by following the flow chart to perform the LISTA adjustment.

1. Refer to the item “1-32. LISTA Sensitivity Adjustment & Detection” about procedure of the sensitivity adjustment and sensitivity detection.
2. Refer to the item “1-33. LISTA Linearity Adjustment & Waving Measurement” about procedure of the linearity adjustment.



1-30. LISTA Connection and Boot Up

TEST POINT	Refer to item “6. Table of Test Point for each adjustment item.”. **Click this button , then go to item “6. Table of Test Point for each adjustment item.”.**	
M. EQ.	PC (Personal Computer) (A/D board should be installed)	
TOOL	VFK1481K (LISTA Software), VFK1186 (LISTA Cable), VFK1300 (AD Converter board)	
TAPE	SD 25M VTR	NTSC: VFM3581KM(LISTA), VFM3000EDS(DV LISTA)
	SD 50M VTR	PAL: VFM3681KM(LISTA), VFM3000EDS(DV LISTA)
	SD 50M CAM	NTSC: VFM3581KM(LISTA), PAL: VFM3681KM(LISTA)
	HD CAM	VFM3781KML

1. Connect the LISTA cable to A/D Board in the PC.
2. Connect the clips of the LISTA cable to test point on the P.C.Board.
3. Boot up the LISTA software on DOS mode.

♦ How to install and boot Up ♦

Make a directory like C: LISTA and Copy all files in the VFK1481K (LISTA Software) to it on PC.

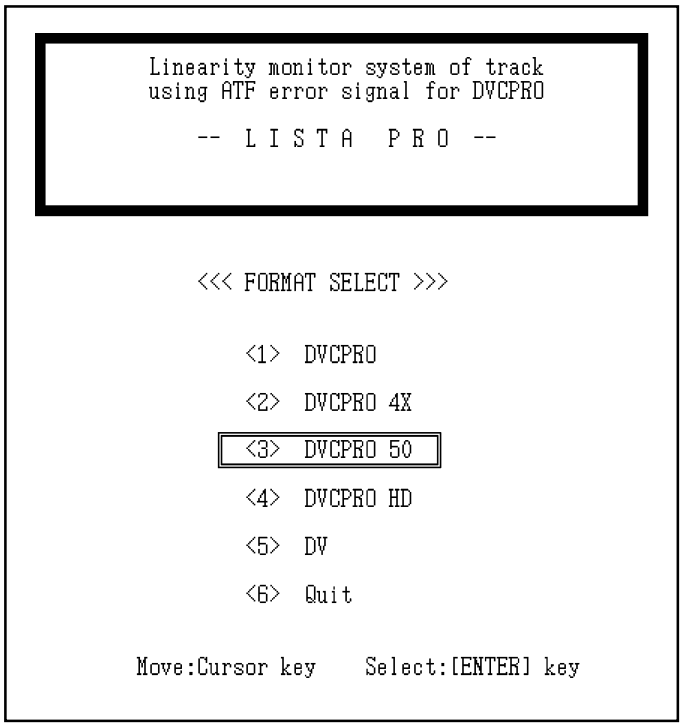
Type **“LISTA”** and press **ENTER** key, then the LISTA software VFK1481K boot up.

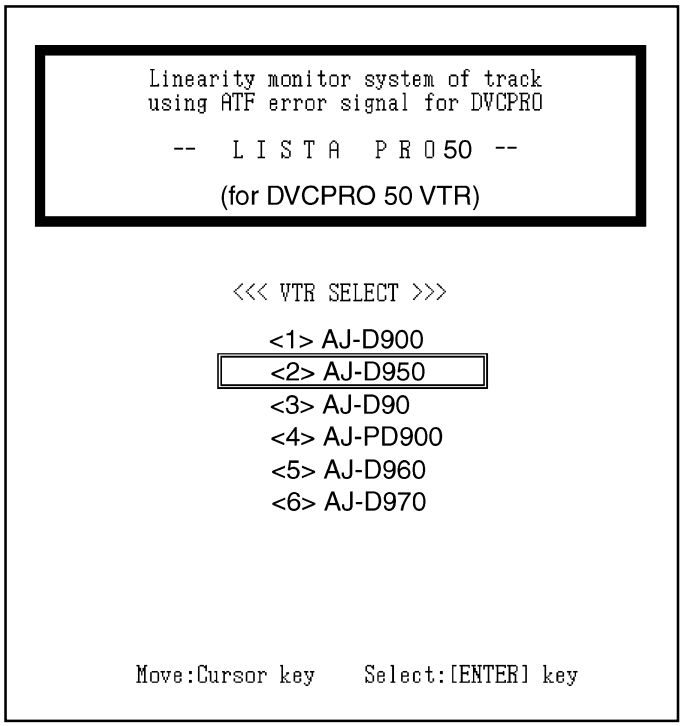
4. After the LISTA software boot up, <<< FORMAT SELECT >>> display appears. Select the format according to classified model in below indicated table “Select item in LISTA”.
5. After select the format, <<< VTR SELECT >>> display appears, and select the model in the table “Select item in LISTA” as shown below.

< Select item in LISTA >

Classified model	Selected item on FORMAT SELECT screen	Selected item on VTR SELECT screen
SD 25M VTR	DVCPRO	AJ-D750
SD 50M VTR	DVCPRO 50	AJ-D950
SD 50M CAM	DVCPRO 50	AJ-D900
HD CAM	DVCPRO HD	AJ-HDX400

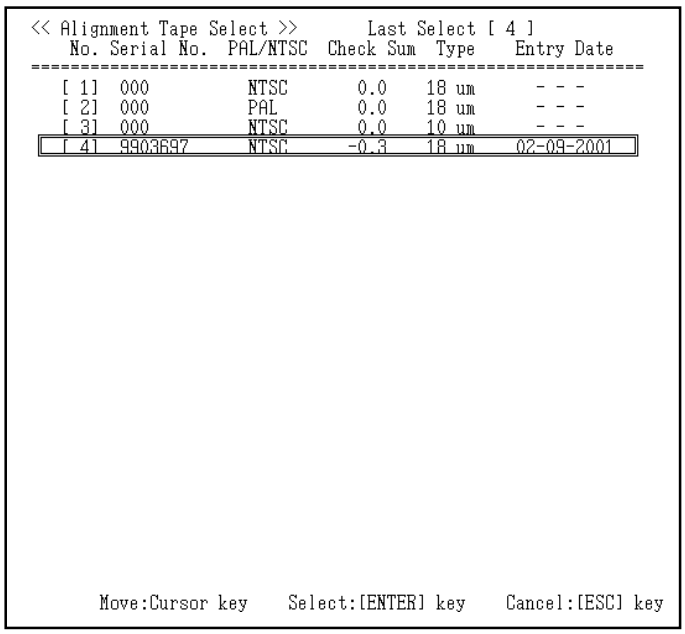
NOTE: Below figure indicated as in case of SD 50M model.



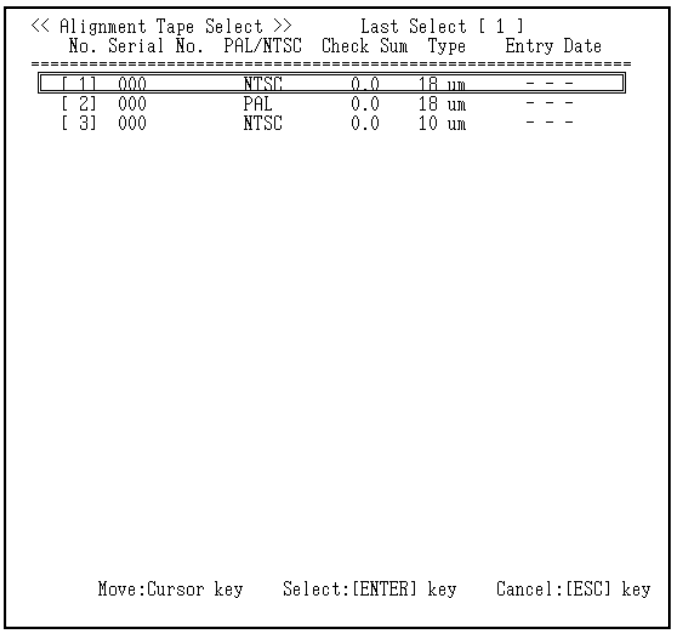


6. Next, select the Serial number of the Alignment tape on the screen. If LISTA software does not have alignment tape data registered, data entry is needed. Press the ESC key, then main menu is displayed on the screen. And select the item “<4> Alignment Tape” for entry the data on the attachment sheet, which is enclosed with alignment tape.
7. If LISTA software has data of alignment tape, select the serial number of Alignment tape, then message “ok?(y/n)” appears on the screen. And press “ Y ” or “ ENTER ” key, then LISTA main menu is displayed on screen.

<< In case, Alignment Tape data is registered already >>

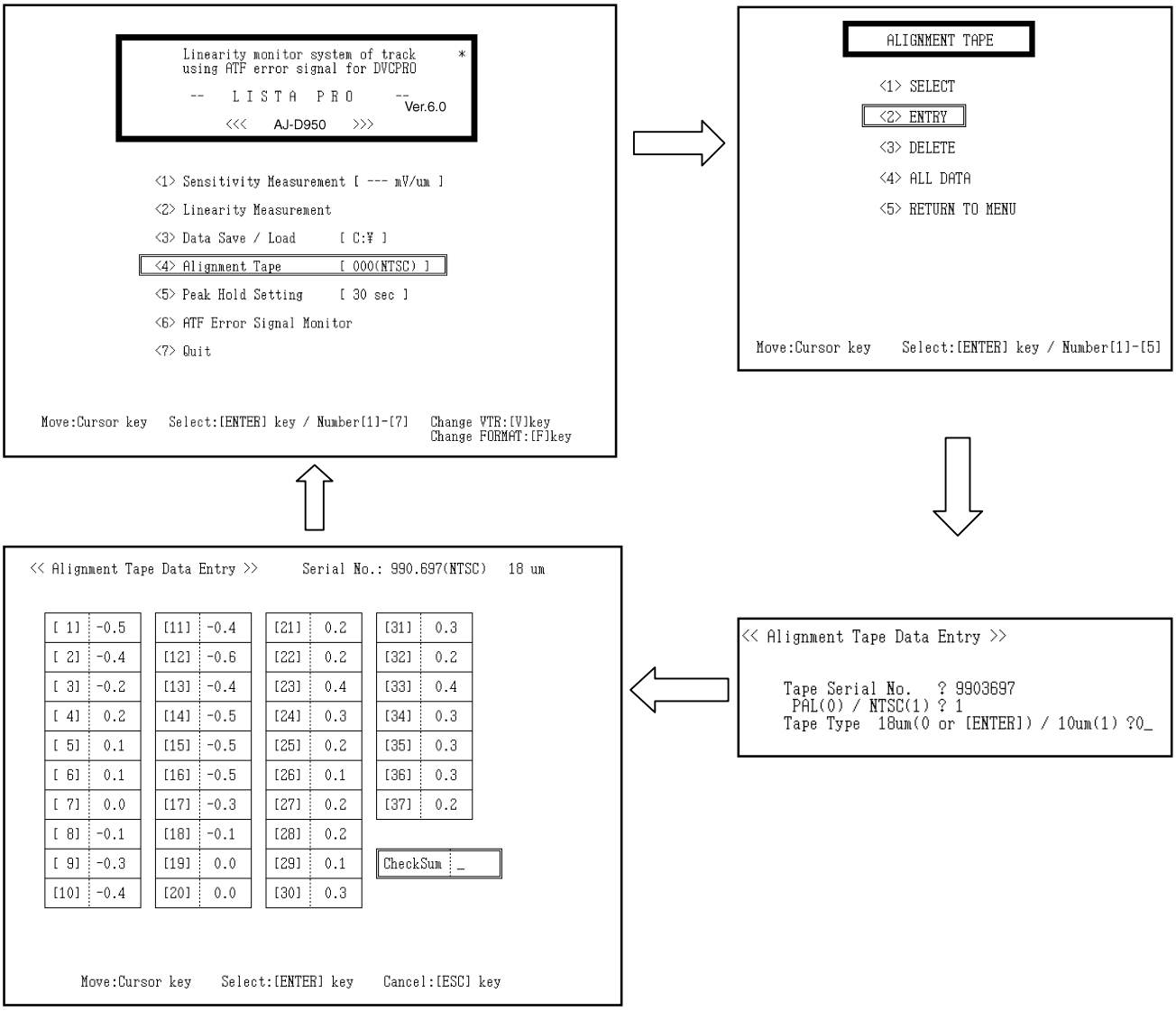


<< In case, Alignment Tape data is not registered >>



1-31. How to Entry the Attachment Data of Alignment Tape

1. Select the item “<4> Alignment Tape” on the LISTA main menu.
2. Select the item “<2> ENTRY” on the alignment menu.
3. After the screen of <<Alignment Tape Data Entry>>is displayed, first input the Serial Number of Alignment tape printed on the label. And input the number “0” or “1” to select the PAL/NTSC. And after that for entry the tape type, input to “0” for DVCPRO, input to “1” for DV or input to “2” for HDLP.
4. After select the tape type, the frame for input the DATA and CHECK SUM appears on the screen. Input the numerical value on the data sheet, which are enclosed with alignment tape. If input the wrong number, the error message appears on the screen, then confirm the data on the sheet.
5. After the data entry, the screen return to “LISTA MAIN” menu. Confirm that the serial number of the alignment tape.



1-32. LISTA Sensitivity Adjustment and Sensitivity Detection

SPEC	See below	
TEST POINT	Refer to item “6. Table of Test Point for each adjustment item.”.	
ADJUST (ATF GAIN)	**Click this button , then go to item “6. Table of Test Point for each adjustment item.”.**	
VTR MODE	SD 25M VTR	PLAY (25M and DV mode)
	SD 50M VTR	PLAY (25M, 50M and DV mode)
	SD 50M CAM	PLAY (25M and 50M mode)
	HD CAM	PLAY (HD LP mode)
TAPE	SD 25M VTR	NTSC: VFM3581KM(LISTA), VFM3000EDS(DV LISTA)
	SD 50M VTR	PAL: VFM3681KM(LISTA), VFM3000EDS(DV LISTA)
	SD 50M CAM	NTSC: VFM3581KM(LISTA), PAL: VFM3681KM(LISTA)
	HD CAM	VFM3781KML

<Specification of confirmation and adjustment according to models>

Classified model	**Adjustment Head and Specification of Sensitivity Value (mV/um) on each mode**						
	HD LP mode	50M mode		25M mode		DV Head	
	R/P Head	R/P Head	PB(L) Head	R/P Head	PB Head	R/P Head	DVR Head
SD 25M VTR	-----	-----	-----	150±15	150±15	130±30	-----
SD 50M VTR	-----	100±15	100±15	100±15	100±15	-----	130±30
SD 50M CAM	-----	150±15	-----	150±15	-----	-----	-----
HD CAM	150±15	-----	-----	-----	-----	-----	-----

<Sensitivity Adjustment Procedure>

1. Please adjust each items by following the flow chart to perform the LISTA adjustment. SD 50M model is required adjustment by 25M and 50M mode. HD model is required adjustment by HD LP mode.
2. SD 50M model is required setting on LISTA software and unit to select 25M or 50M mode. 25M and 50M mode can be changed by press “0” key on LISTA main menu about LISTA software. Please refer to item “6. Table of Test Point for each adjustment item.” about how to select 25M and 50M mode in the Unit.
3. Set the adjustment mode.(Please refer to item “6. Table of Test Point for each adjustment item.” about how to set adjustment mode).

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.

4. Connect the each clips of LISTA cable to the test point.
5. Playback the LISTA Alignment Tape.
6. Select the item “<6> ATF Error Signal Monitor” on the LISTA main menu, and after message “1.2% Speed. . .” appears on the screen, press the Enter key, then sensitivity value and waveform appear on the screen as shown figure 1-32-1.
7. When the picture is appeared as shown in figure 1-32-1, adjust EVR on service menu so that the “Sens. Value” on the upper right corner of the screen is within the specification(Please refer to item “6. Table of Test Point for each adjustment item.” about how to change the numerical value and data renewed of EVR).

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.

8. After finish this adjustment, press the ESC key to return the main menu.

NOTE: HD Camera Recorder model adjusts sensitivity two test points. Adjust EVR so that the “Sensitivity value” is within specification with the value to measure in two test points.

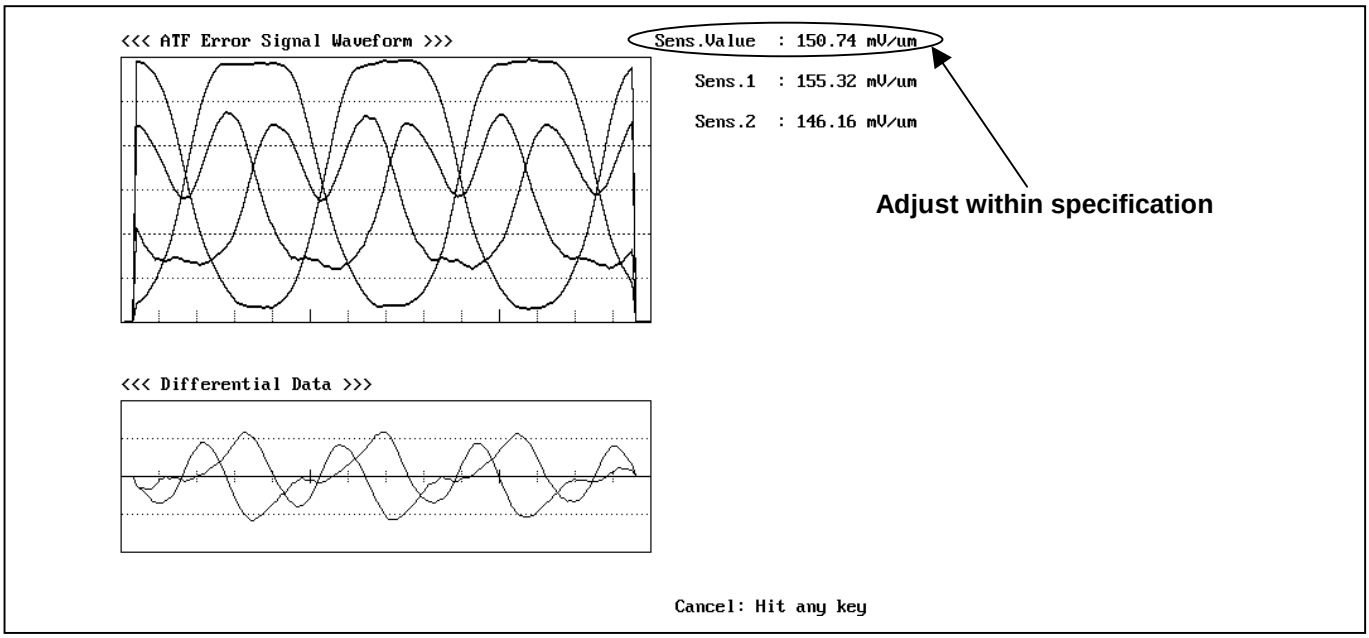
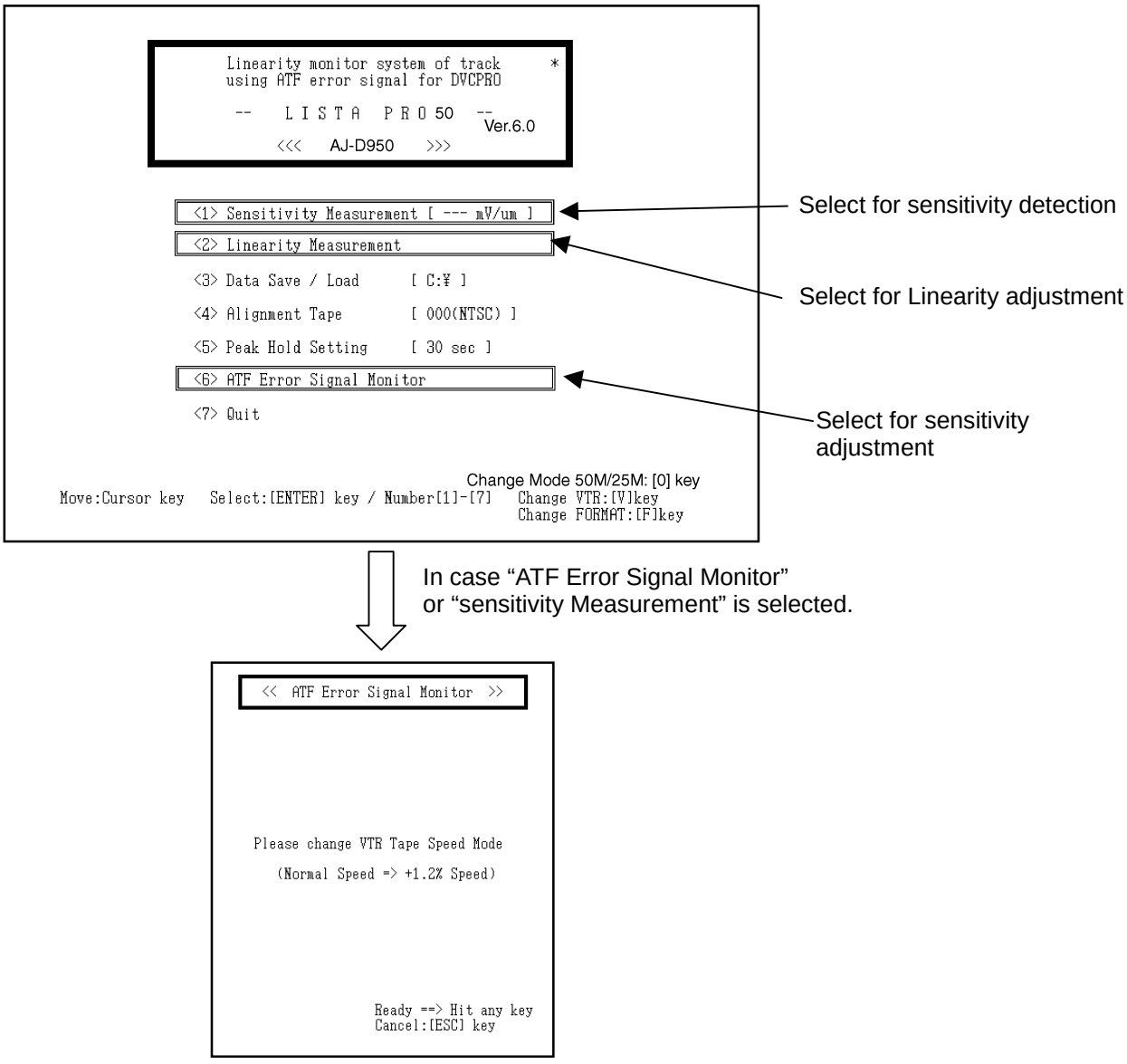

<<< ATF Error Signal Waveform >>>
Sens.Value : 150.74 mV/um
Sens.1 : 155.32 mV/um
Sens.2 : 146.16 mV/um
Adjust within specification
<<< Differential Data >>>
Cancel: Hit any key

Figure 1-32


Linearity monitor system of track
using ATF error signal for DVCPRO
-- L I S T A P R O 50 --
Ver.6.0
<<< AJ-D950 >>>
<1> Sensitivity Measurement [--- mV/um]
<2> Linearity Measurement
<3> Data Save / Load [C:¥]
<4> Alignment Tape [000(NTSC)]
<5> Peak Hold Setting [30 sec]
<6> ATF Error Signal Monitor
<7> Quit
Change Mode 50M/25M: [0] key
Move:Cursor key Select:[ENTER] key / Number[1]-[7] Change VTR:[V]key
Change FORMAT:[F]key
Select for sensitivity detection
Select for Linearity adjustment
Select for sensitivity adjustment
In case “ATF Error Signal Monitor”
or “sensitivity Measurement” is selected.
<< ATF Error Signal Monitor >>
Please change VTR Tape Speed Mode
(Normal Speed => +1.2% Speed)
Ready ==> Hit any key
Cancel:[ESC] key

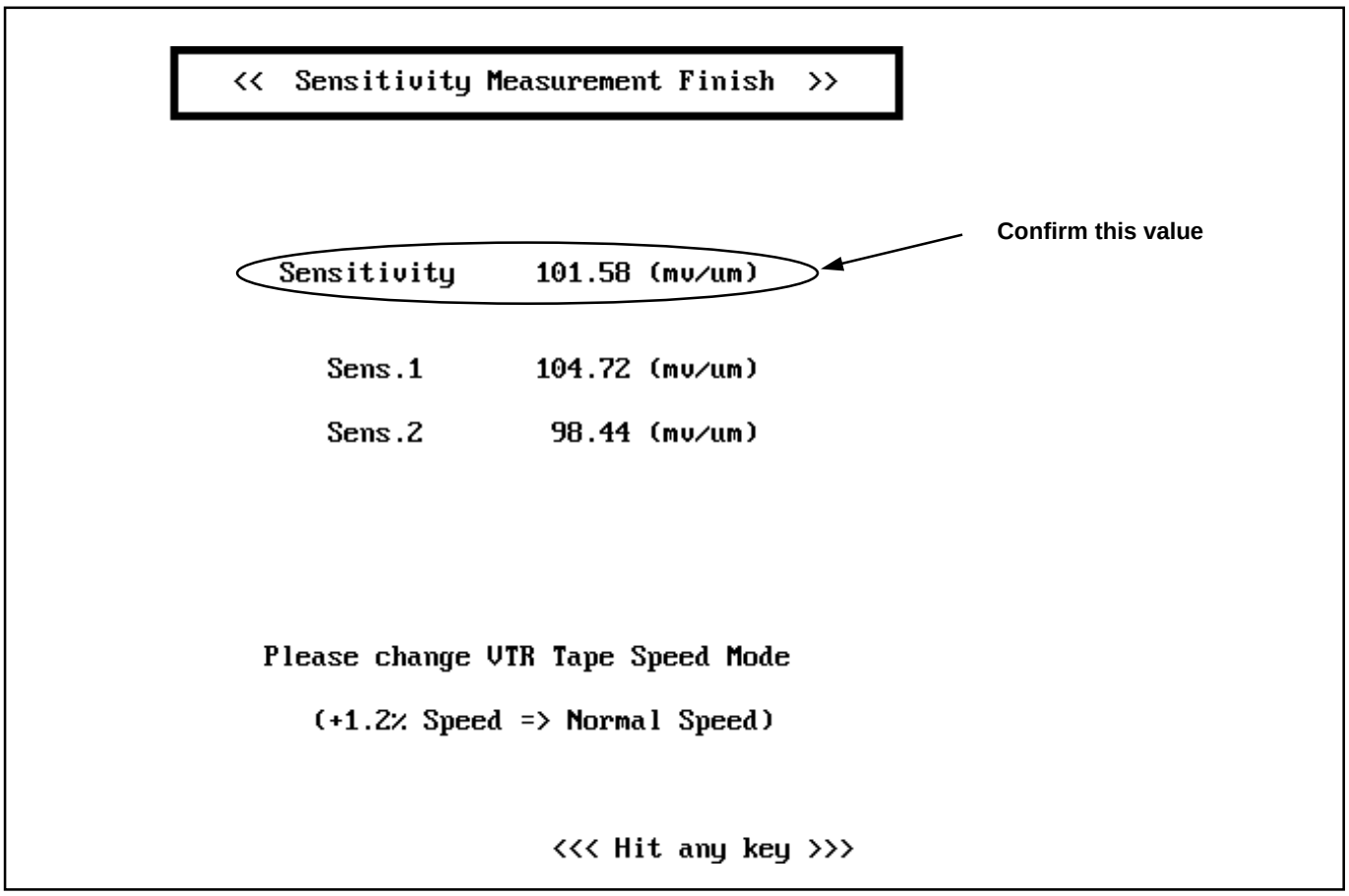
<Sensitivity Detection Procedures>

1. Please adjust each items by following the flow chart to perform the LISTA adjustment. SD 50M model is required adjustment by 25M and 50M mode. HD model is required adjustment by HD LP mode.
2. SD 50M model is required setting on LISTA software and unit to select 25M or 50M mode. 25M and 50M mode can be changed by press “0” key on LISTA main menu about LISTA software. Please refer to item “6. Table of Test Point for each adjustment item.” about how to select 25M and 50M mode in the Unit.
3. Set the adjustment mode.(Please refer to item “6. Table of Test Point for each adjustment item.” about how to set adjustment mode).

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.

4. Connect the each clips of LISTA cable to the test point.
5. Playback the LISTA Alignment Tape.
6. Select the item “<1> Sensitivity Measurement” on the LISTA main menu, and then “1.2% Speed. . .” appears on the screen. Press the Enter key, and then start measurement of the sensitivity value.
7. Confirm the sensitivity value is within the specification on the <<Sensitivity Measurement Finish>> screen.
8. If it is out of specification, repeat the step item 6 and 7.
9. If still out of specification, execute the “Sensitivity Adjustment” again.

NOTE: HD Camera Recorder model measure sensitivity two test points. Confirm that the “Sensitivity value” is within the specification with the value to measure in two test points.



1-33. LISTA Linearity Adjustment and Waving Measurement

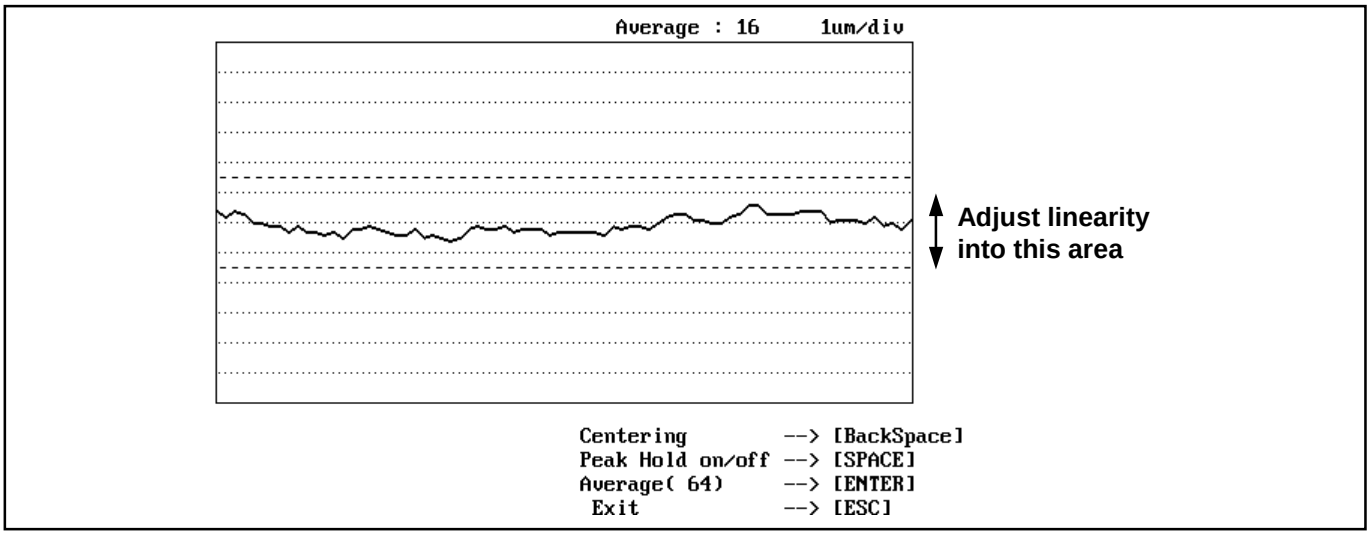
SPEC	Linearity : less than 3um, Waving : less than 1.5um	
TEST POINT	Refer to item “6. Table of Test Point for each adjustment item.”.	
ADJ. MODE	**Click this button , then go to item “6. Table of Test Point for each adjustment item.”.**	
ADJUST	S1 and T1 Post Height	
TOOL	VFK1149B (Post Driver)	
VTR MODE	SD 25M VTR	PLAY (25M mode)
	SD 50M VTR & CAM	PLAY (25M and 50M mode)
	HD CAM	PLAY (HD LP mode)
TAPE	SD VTR & CAM	NTSC: VFM3581KM(LISTA), PAL: VFM3681KM(LISTA)
	HD CAM	VFM3781KML(LISTA)

1. Please adjust each items by following the flow chart to perform the LISTA adjustment. SD 50M model is required adjustment by 25M and 50M mode. HD model is required adjustment by HD LP mode.
2. SD 50M model is required setting on LISTA software and unit to select 25M or 50M mode. 25M and 50M mode can be changed by press “0” key on LISTA main menu about LISTA software. Please refer to item “6. Table of Test Point for each adjustment item.” about how to select 25M and 50M mode in the Unit.
3. Set the adjustment mode.(Please refer to item “6. Table of Test Point for each adjustment item.” about how to set adjustment mode).

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.

4. Connect the each clips of LISTA cable to the test point.
5. Playback the LISTA Alignment Tape.
6. Select the item “<2> Linearity Measurement” on the LISTA main menu, and then linearity waveform appears on the screen.
7. When the waveform as shown below is displayed on the screen, press the “BS (Back Space)” key to move the waveform at the center of the scale on screen. Adjust S1 and T1 post height by using the post driver so that the linearity waveform becomes as flat as possible, and it should be within the specification.

♦ Adjust linearity, to have waveform in between the red dot lines on the screen.



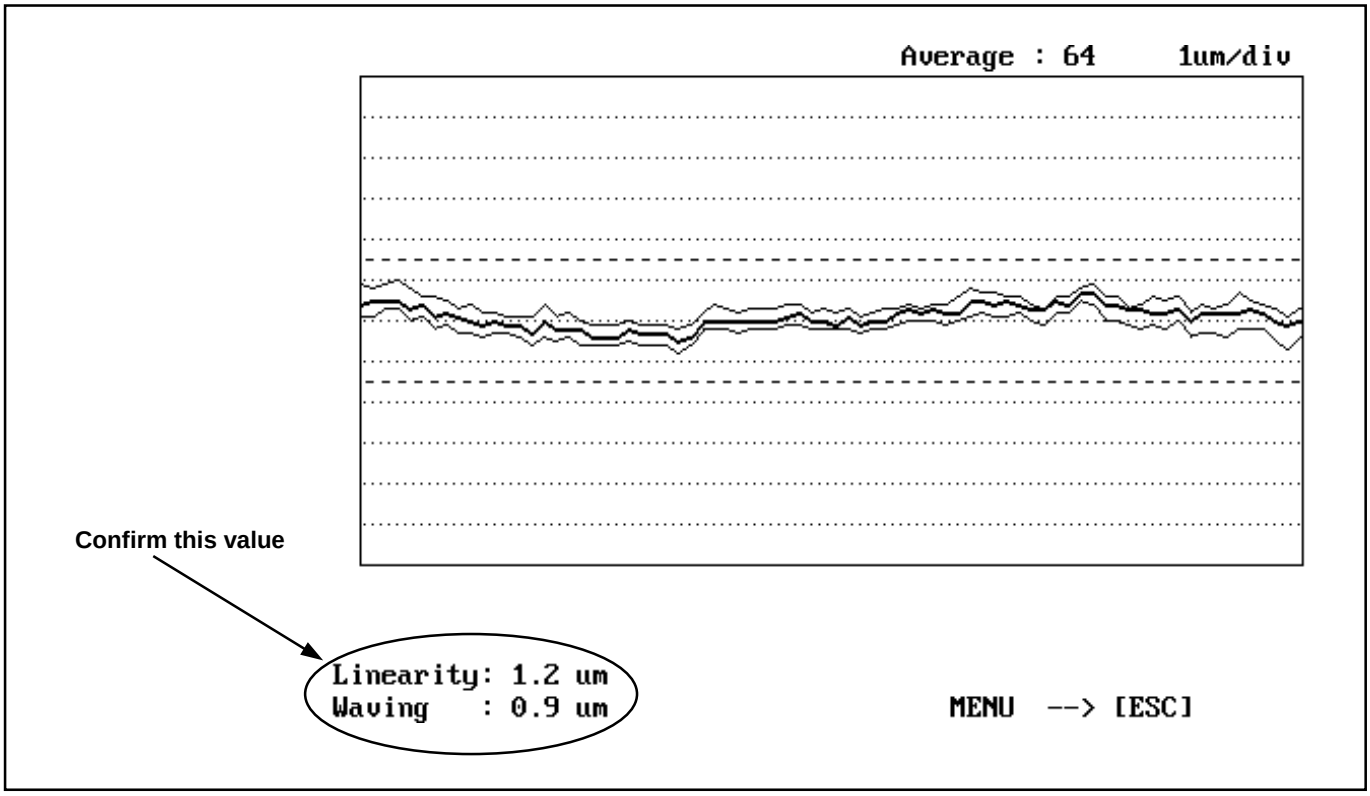
POINT :
The part of left side of waveform (entrance side) is adjusted by height of S1 post and part of right side of waveform (exit side) is adjusted by height of T1 post.
Lower part of above waveform of figure is displayed lead of Cylinder.
When the post driver is removed from upper part of post, linearity waveform may be changed.
After finish this adjustment, eject the tape and insert the tape again to confirm the shape of linearity waveform isn’t changed.

8. After finish the Linearity Adjustment, measure the numerical value of linearity and waving.

NOTE: HD Camera Recorder model measure linearity two test points. Confirm that the “linearity” is within the specification with the value to measure in two test points.

Waving Measurement Procedures

1. Press “SPACE” key to perform the Peak Hold in 30 seconds when linearity is displayed.
2. After finish the Peak Hold, press “SHIFT” and “ } ” key simultaneously on the Key Board, then the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen. And confirm the numerical values are in the specification. Also confirm the waving is same level from entrance side to exit side. If the “Linearity” and “Waving” are out of specification and also it caused by insufficient limit of entrance or exit side of envelope, adjust height of S1 and T1 post.
3. After this measurement is finished, press the ESC key to return to the main menu.



Information : How to save the LISTA Data
Linearity waveform data and measurement value of linearity and waving can be saved as one file data to PC.

1. Basically this operation should be performed after linearity and waving measurement is finished.
2. Select the item “<3> Data Save/Load” on the LISTA main menu, and select the item “<1> Save”.
3. The linearity waveform as Peak Hold is displayed on the screen, and message “File Name?” appears on the screen. Then entry the File Name less than 8 letters. And after message “Comment?” appears on the screen, then entry the Comment less than 20 letters. As comment, entry the Serial Number, Model Number, Head Rotation Hours etc to use them for management of each VTR’s linearity data.
4. After completion of saving, select the item “<2> Load” of the item “<3> Data Save/Load”, then the saved File Name appears on the screen. And select previously saved file to confirm the waveform and numerical value is displayed correctly. By pressing “SHIFT” and “ } ” key simultaneously on the Key Board, the numerical values of “Linearity” and “Waving” is displayed on left lower portion of screen.

1-34. Self-REC/PLAY Envelope Waveform Confirmation

SPEC.	All of the head output are within the specification as shown below. Confirm in the 50M mode when the VTR or Camera Recorder is 50M models. Confirm in the HD mode when the VTR or Camera Recorder is HD models. · When using the M Cassette (66 min.) or L Cassette (126 min.) V1/Vmax, V3/Vmax ≥ 0.7 V2/Vmax ≥ 0.8 · When using the Long Time L Cassette (Long play cassette compatible models only) V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.7 V4/Vmax ≥ 0.5
TEST POINT	Refer to item "6. Table of Test Point for each adjustment item.". **Click this button , then go to item "6. Table of Test Point for each adjustment item.".**
M. EQ.	Oscilloscope
TAPE	• M Cassette (66 min.) or L Cassette (126 min.) • Long play L Cassette (Long play cassette compatible models only)

1. Record the color bar signal.
2. Playback the just recorded portion, and confirm the envelope output is within the specification.
3. Please refer to figure 1-34-2, when confirm that the exit side of envelope with long play cassette compatible models.
4. Regarding the long play cassette compatible models, envelope waveform should be confirmed by using long play cassette, too.
5. If it is out of specification, perform the "ENV Waveform Adjustment" and "LISTA Adjustment" again.

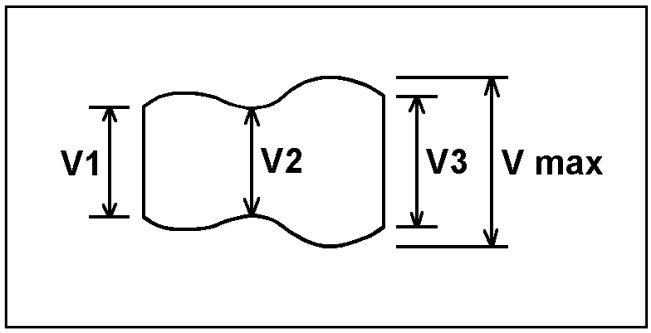


Figure 1-34-1 Envelope Waveform

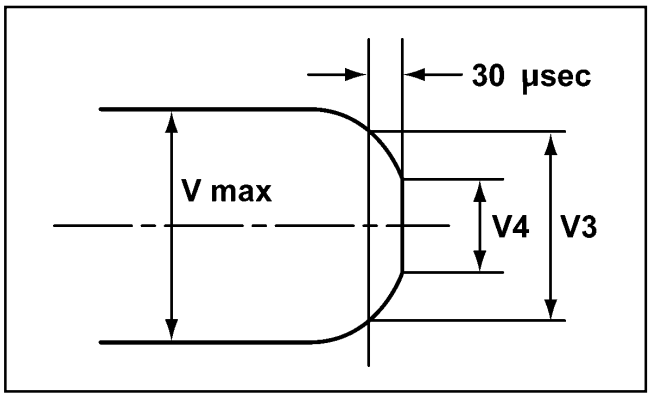


Figure 1-34-2 Exit side of Envelope Waveform (Long play cassette compatible models only)

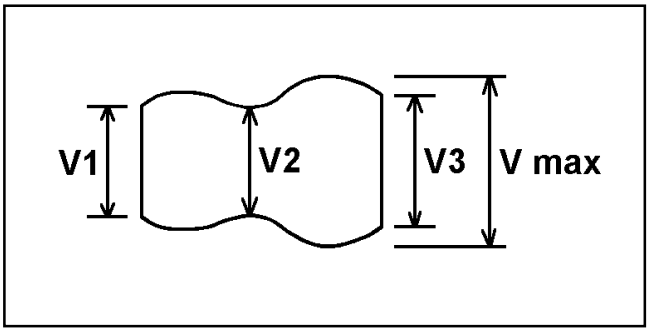
1-35. DV Playback Envelope Waveform Confirmation (DV Playback compatible model only)

SPEC.	V1/Vmax, V2/Vmax, V3/Vmax ≥ 0.8
TEST POINT	R/P ENV : Refer to item “6. Table of Test Point for each adjustment item.”
MODE	PLAY
M. EQ.	Oscilloscope
TAPE	**NTSC:** VFM3010EDS (DV Color bar) **PAL:** VFM3110EDS (DV Color bar)

Click this button , then go to item “6. Table of Test Point for each adjustment item.”.

This confirmation should be performed for only DV playback compatible models shown below.

1. Playback the DV color bar alignment tape.
2. Confirm that the envelope output is within the specification.
3. If it is out of specification, perform the “ENV Waveform Adjustment” and “LISTA Adjustment” again.



2. Major Mechanical Parts Replacement & Adjustment Procedures

GENERAL

When mechanical parts are replaced, pay attention to the following notes.

1. Always turn power off before replacing any parts.
2. If any adjustment is required after replacing parts, perform the required adjustment.
3. Use proper tools and fixtures.
4. Be sure to clean the parts after replacement, and also to replace the mechanical parts, follow the replacement procedure.

2-1. Cylinder Unit Replacement

(Removal)

1. Remove the T1 Guide and Cleaning Arm Unit. (Please refer to item "2-2. Cleaning Arm Unit Replacement")
2. Unscrew the screw (B) which fix the cable (B) as shown in Figure 2-1-2.
3. Remove the flexible cable which connected to connector (A) on the P.C.Board (A) as shown in 1-1-1.

Click this button , then go to item "7. Table of Connector".

4. Unscrew the 3 screws which have spring from the Cylinder Unit as shown as Figure 2-1-1, then remove the Cylinder Unit without touching any mechanical parts as shown in Figure 2-1-2

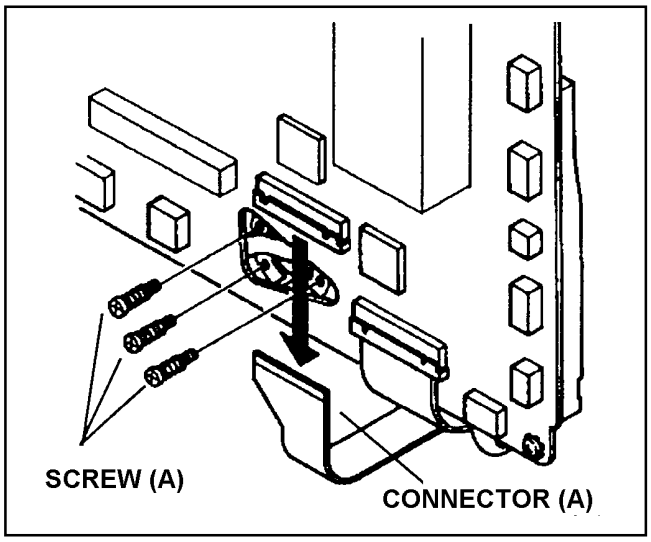


Figure 2-1-1

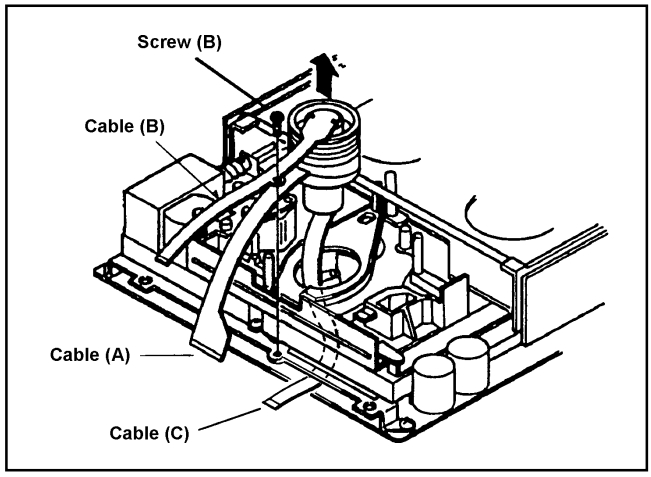


Figure 2-1-2

NOTE:
Don't touch the cylinder by finger directly, when pull out the Cylinder Unit.

(Installation)

1. Install the new Cylinder Unit according to the opposite procedures of removing.

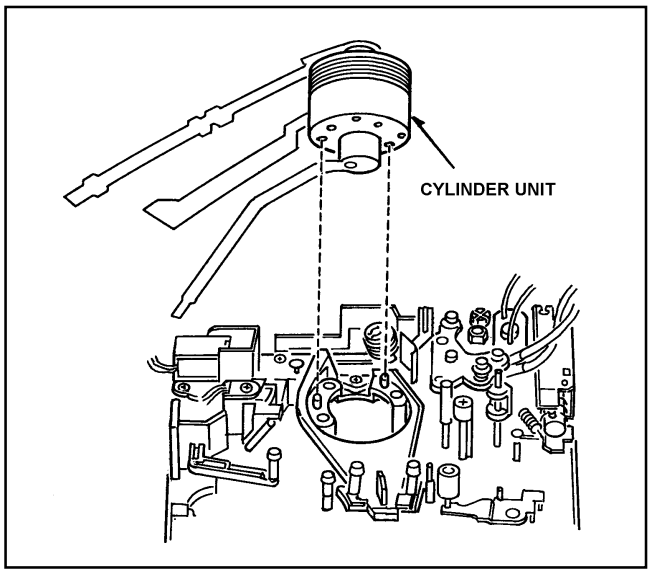


Figure 2-1-3

NOTE:
When installing the Cylinder Unit, the pin on Mech. Chassis should match with holes of Cylinder Unit as shown in Figure 2-1-3.

2. After installing the T1 Guide, T1 Guide Position Adjustment should be performed.
   (Please refer to item "2-2. Cleaning Arm Unit Replacement" and "2-3. T1 Guide Position Adjustment")

2-2. Cleaning Arm Unit Replacement

(Removal)

1. Unscrew the 2 screws (A) and remove the T1 Guide as shown in Figure 2-2.
2. Widen the tip of the cleaner arm, lift up the cleaning arm unit and remove the spring and washer. Tip portion of the cleaner arm (B) is shown in Figure 2-2.

(Installation)

1. Install the spring and washer.
2. Insert Cleaning Arm Unit temporary to T2 Arm Unit. Install the spring to between Cleaner Base Plate and Cleaning Arm Unit, and insert Cleaner Arm Unit to T2 Arm Unit perfectly.
3. Rotate the cylinder by hand in the pressing the core of the Cleaner Solenoid, and confirm that the Cleaner Roller rotate.
4. Install the T1 Guide.
5. After install the T1 Guide, please perform the item "1-3. T1 Guide Position Adjustment".

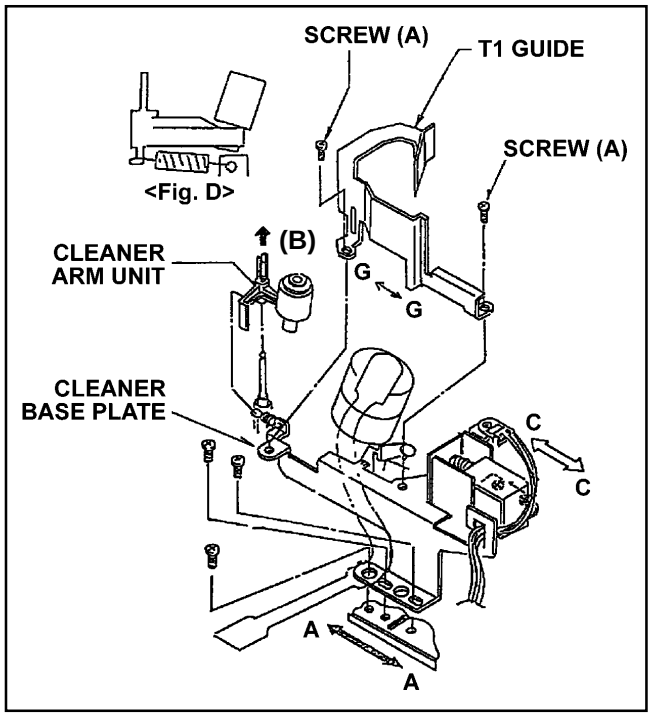


Figure 2-2

2-3. T1 Guide Position Adjustment

1. Place the unit to loading condition without the tape (No tape loading procedure is mentioned on item "7. Table of Connector.").

Click this button , then go to item "7. Table of Connector".

2. Observe the clearance (B) between T1 Guide and T1 post as shown in Figure 2-3, and make sure that it is within 0.2mm to 0.5mm.
3. If not, loosen the 2 screws (A) and adjust the position of the T1 Guide moves to direction of arrow (G ⟷ G) so that the clearance (B) is within the specification. And tighten the 2 screws (A).

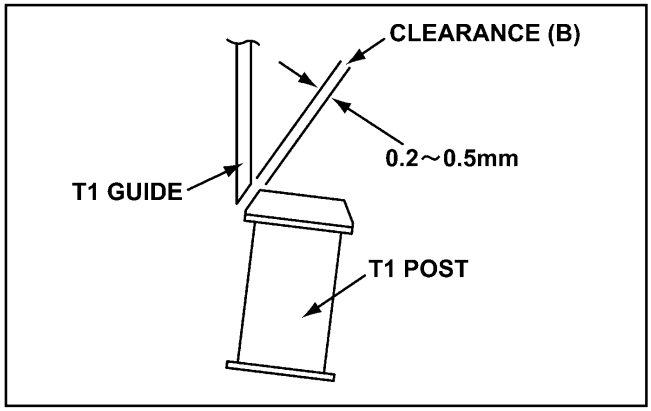
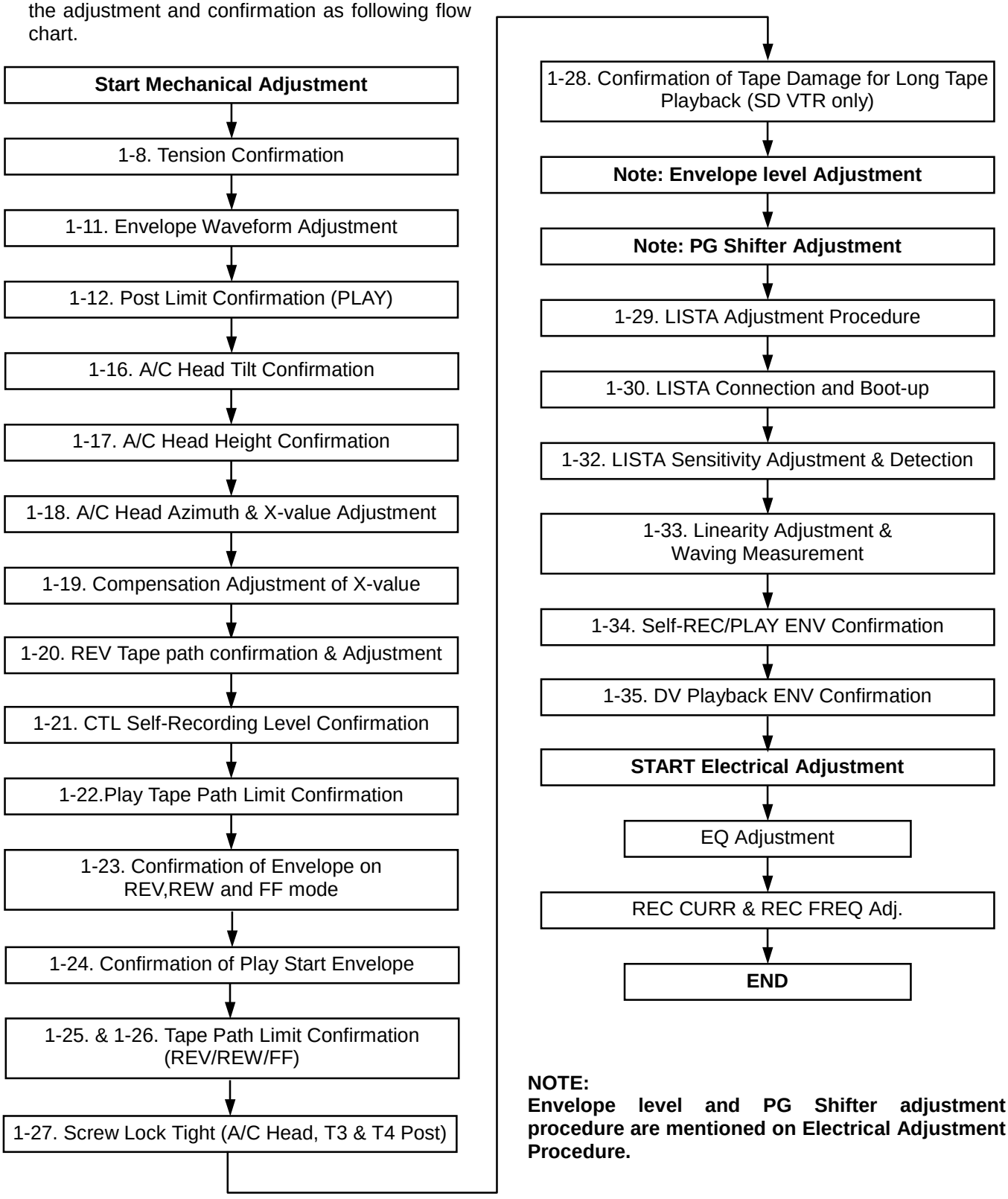


Figure 2-3

2-4. Adjustment Flow Chart After Cylinder Unit Replacement

1. After change the Cylinder Unit, please perform the adjustment and confirmation as following flow chart.



NOTE:
Envelope level and PG Shifter adjustment procedure are mentioned on Electrical Adjustment Procedure.

2-5. Supply & Take-up Reel Rotor Unit Replacement (In case of Studio VTR)

(Removal)

1. Disconnect the **connector (A)** and **(B)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this button , then go to item "7. Table of Connector".

2. Move the S1 post to loading direction by manual ejecting method until the screw (C) can be removed as shown in Figure 2-5-1.
3. Confirm the supply and Take Up Brake are not released.
4. Press the iron core of M stopper solenoid to release the M stopper.
5. Remove the 4 screws (C), (D) and (E) as shown in Figure 2-5-1.
6. Remove the Supply and Take Up Reel Rotor Unit and Reel Outer Rail as shown in Figure 2-5-2.

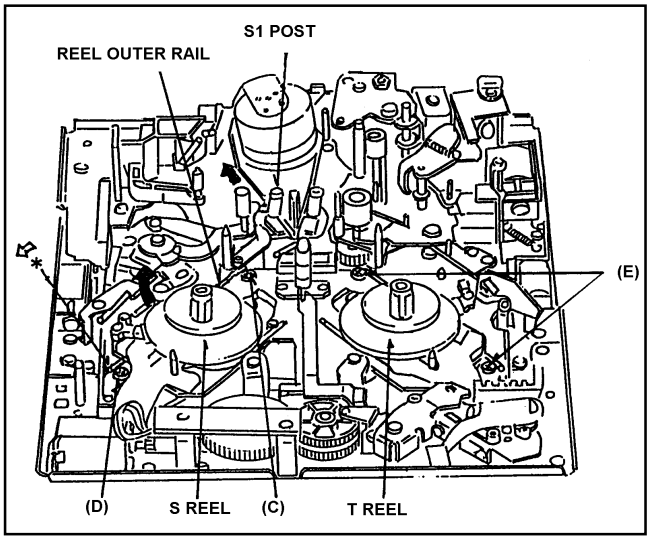


Figure 2-5-1

NOTE:

Confirm the groove position of Reel Base, and then insert the pin of Drive Arm Unit.

(Installation)

1. Install in the Reel Outer Rail to New Supply and Take Up Reel Rotor Unit.
2. Hang on the Reel Rotor Unit to Reel Inner Rail and Install the Reel Rotor Unit then the pin of Drive Arm Unit should match with groove position of Reel Base as shown in Figure 2-5-2.
3. Install the 4 screws (C), (D) and (E).
4. Confirm that the Reel Rotor Unit moving smoothly on the Rail by hand.
5. Move the Reel Rotor Unit to front side by hand and then pull up the iron core of M stopper solenoid for operating M stopper.
6. Set the unloading condition by turning the Emergency shaft counter-clockwise.
7. Confirm that the Main Brake Torque.
8. Connect the Flexible Cable to **connector (A)** and **(B)** on the **P.C.Board (A)**.
9. Adjust the S Reel Motor Torque Offset value.
10. Adjust the T Reel Motor Torque Offset value.
11. Confirm the Tension value on playback mode.

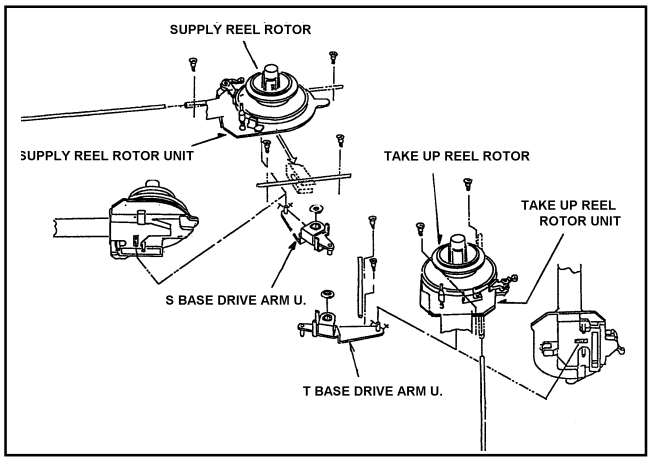


Figure 2-5-2

2-5. Supply & Take-up Reel Rotor Unit Replacement (In case of Camera Recorder)

<Supply Reel Rotor Unit Replacement>

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this button , then go to item "7. Table of Connector".

2. Remove the S5 Post. (Refer to item "2-17")
3. Pull up the Arm Return Spring on the Connection Arm Angle Side.
4. Remove the Connection Arm Angle.
5. Remove the Cut Washer (A) and (B) to remove the Idler Arm Unit as shown in Figure 2-5-3.
6. Unscrew the 4 screws (C) to remove the Supply Reel Rotor Unit.
7. Unscrew the 2 screws (D) to remove the S-Side M Stopper from Supply Reel Rotor Unit.

CAUTION:
Don't touch FG portion with the magnetized screw driver , when unscrewing the screw (D).

(Installation)

1. Install the new Supply Reel Rotor Unit according to the opposite procedures of removing.
2. Confirm that the Main Brake Torque.
3. Adjust the Motor Torque Offset value.
4. Confirm the tape tension at playback mode.

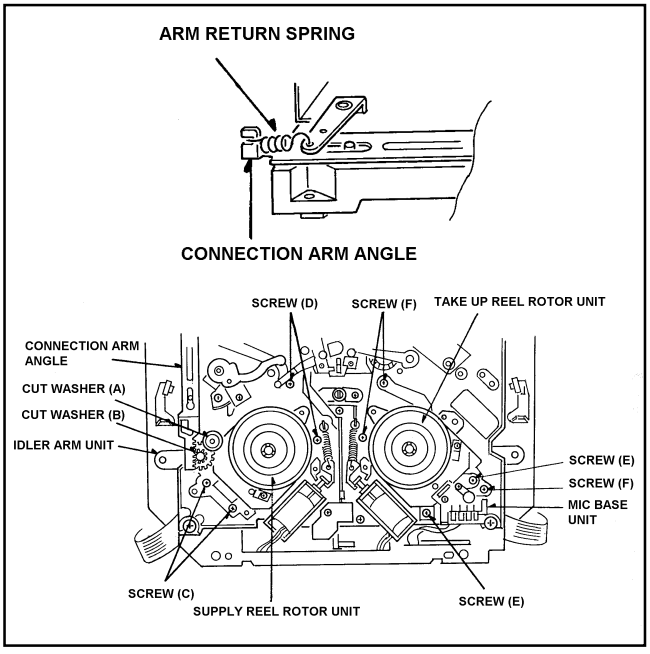


Figure 2-5-3

<Take-up Reel Rotor Unit Replacement>

(Removal)

1. Disconnect the **connector (B)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this button , then go to item "7. Table of Connector".

2. Unscrews the 2 screws (E) ,and then remove the MIC Base Unit as shown in Figure 2-5-3.
3. Unscrew the 3 screws (F) to remove the Take Up Reel Rotor Unit as shown in Figure 2-5-3.
4. Unscrew the 2 screws (G) to remove the T-Side M Stopper from Take Up Reel Rotor Unit as shown in Figure 2-5-3.

CAUTION:
Don't touch FG portion with the magnetized screw driver when unscrewing the screw (D).

(Installation)

1. Install the new Take Up Reel Rotor Unit according to the opposite procedures of removing.
2. Confirm that the Main Brake Torque.
3. Adjust the Motor Torque Offset value.
4. Confirm that the tape tension on playback mode.

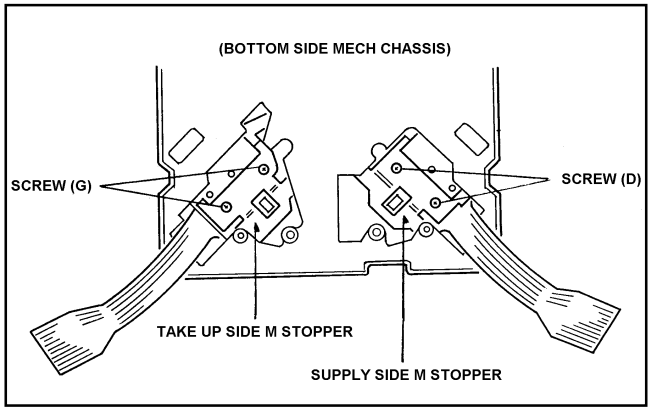


Figure 2-5-4

2-6. Main Brake Torque Confirmation

TEST	S Reel, T Reel
MODE	EJECT (Power OFF)
TOOL	Torque Gauge (VFK71A, VFK1191A) Torque Gauge Adapter (VFK1152)
SPEC	Direction A
	Refer to item “7. Table of connector”
	Direction B
	Refer to item “7. Table of connector”

Click this button , then go to item “7. Table of Connector”.

1. Install the adapter (VFK1152) to the torque gauge (VFK71A).
2. Put the torque gauge on S Reel and turn the torque gauge to direction A until S Reel slips against brake.
3. Confirm the torque is within the specification.
4. Put the torque gauge on T Reel and turn the torque gauge to direction A until T Reel slips against brake.
5. Confirm the torque is within the specification.
6. Install the adapter (VFK1152) to the torque gauge (VFK1191A).
7. Put the torque gauge on S Reel and turn the torque gauge to direction B until S Reel slips against brake.
8. Confirm the torque is within the specification.
9. Put the torque gauge on T Reel and turn the torque gauge to direction B until T Reel slips against brake.
10. Confirm the torque is within the specification.

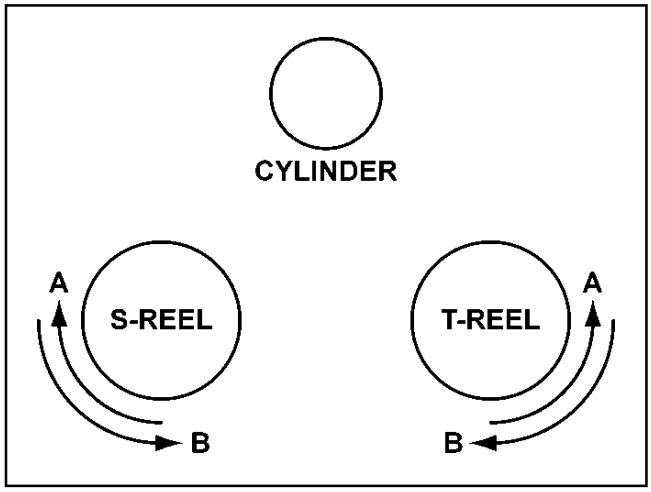


Figure 2-6

2-7. Supply & Take-up Brake Arm Unit Replacement (Studio VTR only)

(Removal)

1. Press the iron core of Brake Solenoid to release the Brake.
2. Remove the cut washers (A) and remove the supply and Take Up Brake Arm Unit as shown in Figure 2-7.

(Installation)

1. Install the new Supply and Take-up Brake Arm Unit follow the previous steps in reverse order.

NOTE: Hang on the Brake Arm Spring as shown in Figure 2-7.

2. Perform the Main Brake Torque confirmation.

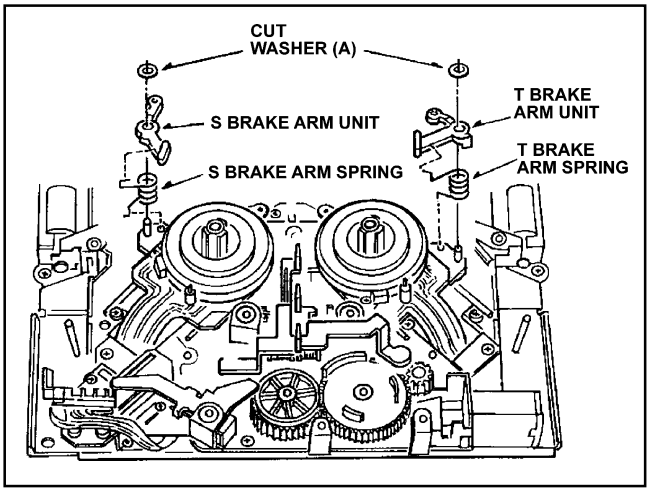


Figure. 2-7

2-8. Supply Brake Solenoid Replacement and Adjustment (Studio VTR only)

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this button , then go to item "7. Table of Connector".

2. Unscrew the 2 screws (A) and remove the Supply Brake Solenoid Base Unit as shown in Figure 2-8-1.
3. Unscrew the 2 screws (B) and remove the supply Brake Solenoid from Supply Brake Solenoid Base Unit as shown in Figure 2-8-1.

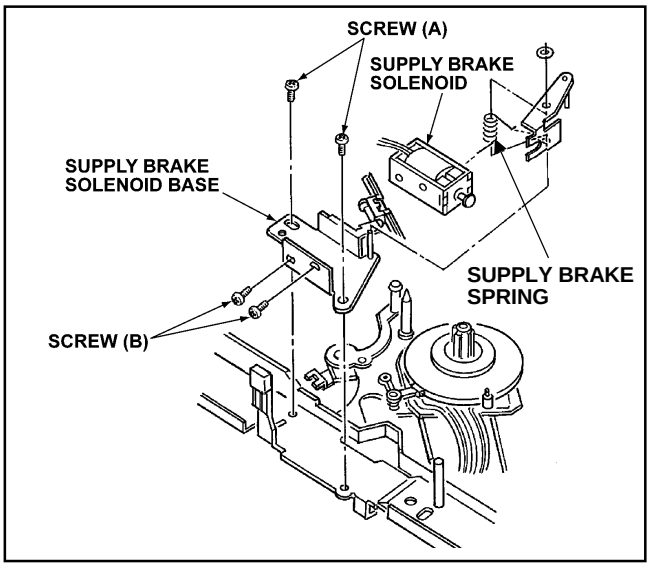


Figure. 2-8-1

(Installation)

1. Install the new supply Brake Solenoid following the removal steps in reverse order.

NOTE: Hang on the Brake Arm Spring as shown in Figure 2-8-1.

2. After installing, perform the position adjustment as following procedures.

(Adjustment Procedures)

1. Place the reels in the M cassette size position.
2. Observe the clearance (A) between Brake pad and it's turntable as shown in Figure 2-8-2. And make sure that it is within 0.2 to 0.5mm.
3. If not, loosen the 2 screws (A), which fixed supply and Take Up Brake Solenoid Unit. And adjust the position of Brake Solenoid Unit by moving arrow direction so that the clearance (A) is within the specification. And tighten the 2 screws (A).
4. After adjustment, change the reel position to S and L cassette size, and confirm that the clearance (A) is within the specification.

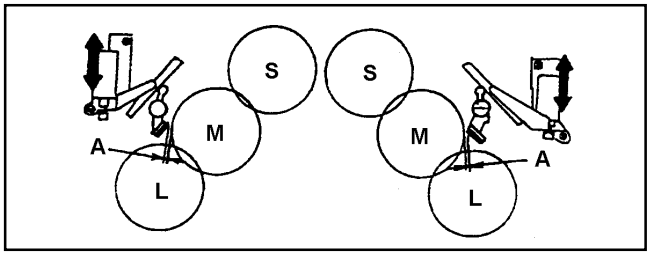


Figure 2-8-2

2-9. Take-up Brake Solenoid Replacement and Adjustment (Studio VTR only)

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this button , then go to item "7. Table of Connector".

2. Unscrew the 2 screws (A) and remove the Take Up Brake Solenoid Base Unit as shown in Figure 2-9.
3. Unscrew the 2 screws (B) and remove the Take Up Brake Solenoid from Take Up Brake Solenoid Base Unit as shown in Figure 2-9.

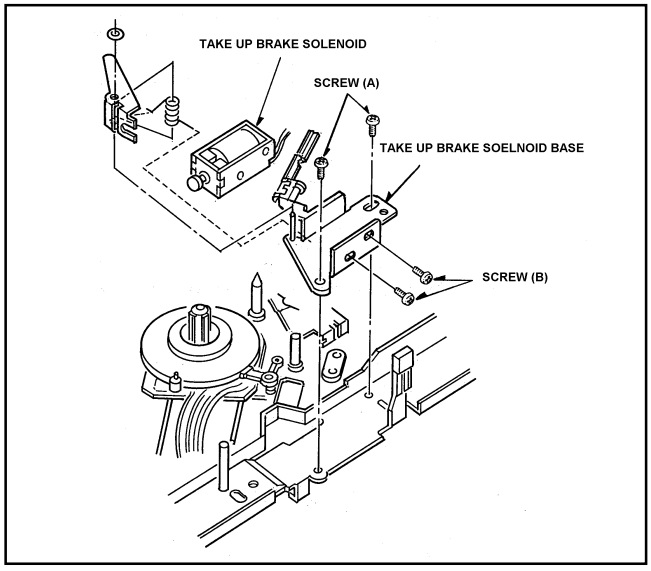


Figure 2-9

(Installation)

1. Install the new Take up Brake Solenoid following the removal steps in reverse order.

Note: Hang on the Take up Brake Spring as shown in Figure 1-9.

2. After installation, position adjustment should be performed as follows.

(Adjustment Procedures)

1. Please adjust the position of Take up Brake Solenoid Unit following the adjustment procedure, which is described in item "2-8. Supply Brake Solenoid Replacement and Adjustment".

2-10. Pinch Solenoid Replacement

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this button , then go to item "7. Table of Connector".

2. Unscrew the 2 screws (A) and remove the Pinch Solenoid Unit as shown in Figure 2-10.
3. Unscrew the 2 screws (B) and remove the Pinch Solenoid Angle as shown in Figure 2-10.
4. Unscrew the 2 screws (C) and remove the Pinch Solenoid from the Pinch Solenoid Base as shown in Figure 2-10.

(Installation)

1. Install the new Pinch Solenoid following the removal steps in reverse order.
2. After installation, perform the Pinch Solenoid Position Adjustment.

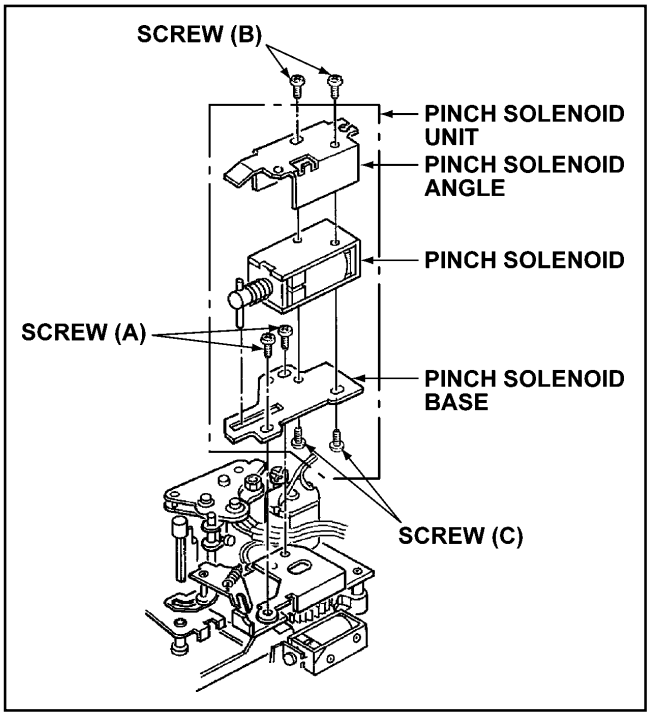


Figure 2-10

2-11. Pinch Solenoid Position Adjustment

SPEC.	T = 0.3 mm
TEST	Gap T
ADJUST	Screw (A) and Hole (B)
MODE	EJECT (Power OFF)
TOOL	Eccentric Driver (VFK0357)

1. Confirm the power is turned off.
2. Push the pinch roller by hand to be close to capstan.
3. Push the pinch solenoid by hand so that the pinch roller contacts capstan.
4. Loosen the two screws (A) and adjust the hole (B) by VFK0357 so that gap (T) is within the specification.
5. The position to confirm Gap, is at spring scratch to Plate (C) side.

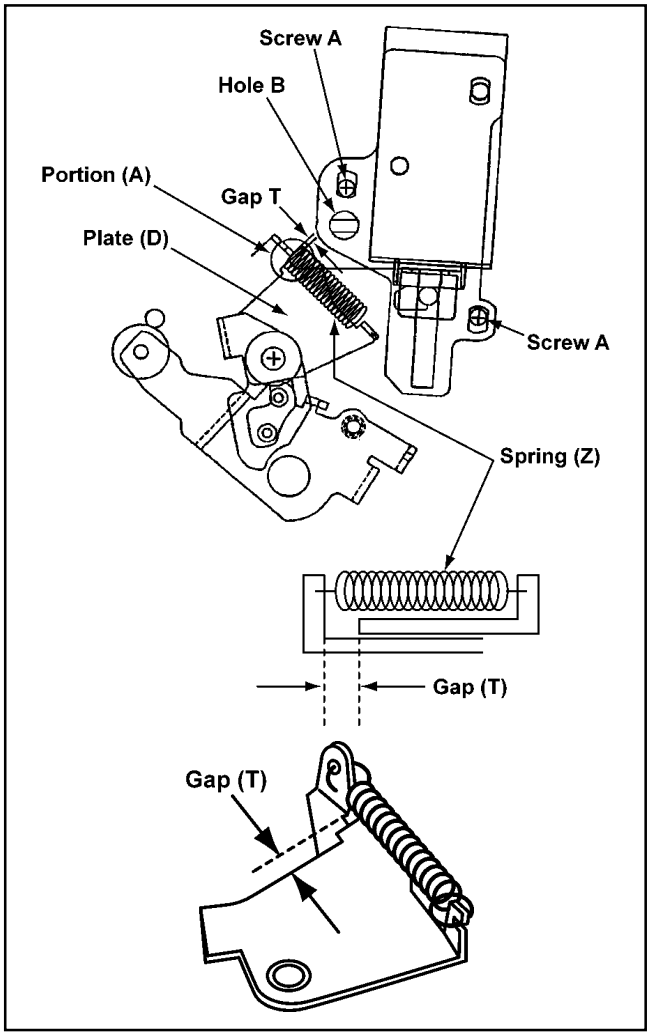


Figure 2-11

2-12. Pinch Arm Unit Replacement

(Removal)

1. Refer to item “2-10.Pinch Solenoid Replacement” to remove the Pinch Solenoid Unit.
2. Remove the cut washer (A) and remove the Pinch Solenoid Lever as shown in Figure 2-12.
3. Remove the cut washer (B) and remove the Pinch Arm Unit as shown in Figure 2-12.

(Installation)

1. Install the new Pinch Arm Unit following the removal steps in reverse order, and then Pinch Solenoid Position Adjustment is necessary.

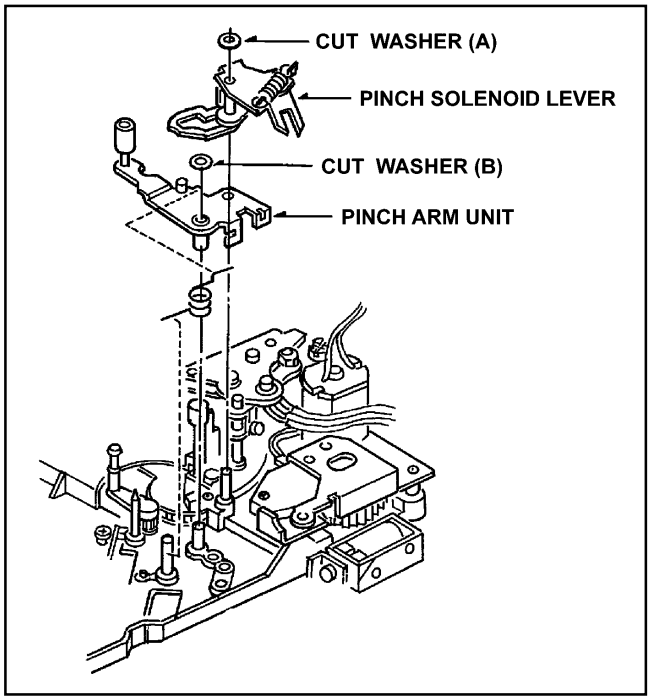


Figure 2-12

2-13. Loading Motor Replacement

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item “7. Table of Connector” about reference number of connector and name of P.C.Board.)

Click this mark , then go to item “7. Table of Connector”.

2. Remove the Pinch Solenoid Unit. (Refer to item 2-10).
3. Unscrew the screw (B), and remove the Emergency Shaft as shown in Figure 2-13.
4. Unscrew the 2 screws (C) and remove the Loading Motor Neutral Unit as shown in Figure 2-13.
5. Unscrew the 2 screws (D) and remove the Loading Motor Unit as shown in Figure 2-13.

(Installation)

1. Install the new Loading Motor Unit to Loading Motor Neutral Unit by tightening 2 screws (D) as shown in Figure 2-13.
2. Install the Loading Motor Neutral Unit by tightening the 2 screws (C) as shown in Figure 2-13, paying attention to the pin of Mode SW Unit which should match with groove position of main Cam Gear.
3. Install the Emergency Shaft by tightening the screw (B) as shown in Figure 2-13.
4. Install the Pinch Solenoid Unit and after installation it, Pinch Solenoid Position adjustment is required. (Refer to item 1-11).
5. Connect the **Connector (A)** to the **P.C.Board (A)**.

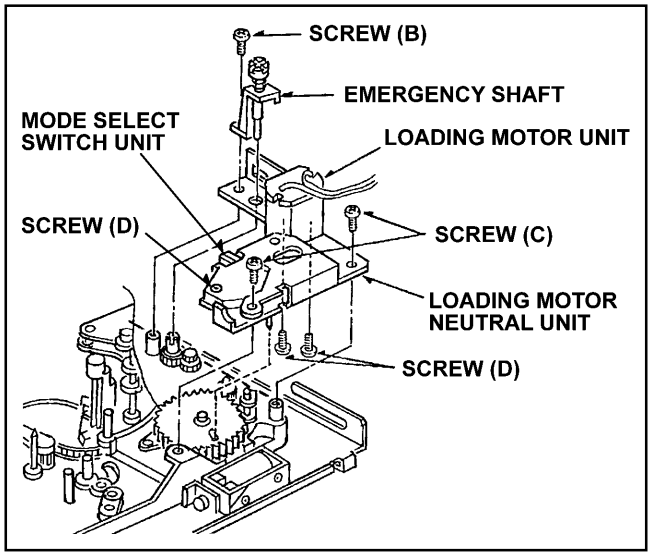


Figure 2-13

2-14. Mode SW Unit Replacement

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this mark , then go to item "7. Table of Connector".

2. Remove the Pinch Solenoid Unit and Loading Motor Unit. (Refer to item 2-10 and 2-13.)
3. Remove the screw (E) and remove the Mode Select Switch Unit from Loading Motor Unit as shown in Figure 2-14.

(Installation)

1. Install the New Mode Select Switch Unit following the removal steps in reverse order (Refer to item "2-13. Loading Motor Unit Replacement").

Note: Pay attention to the pin of Mode Switch Unit which should be match with groove of Main Cam Gear.

2. After install the Pinch Solenoid Unit, Pinch Solenoid Position adjustment is required. (Refer to item 2-11).

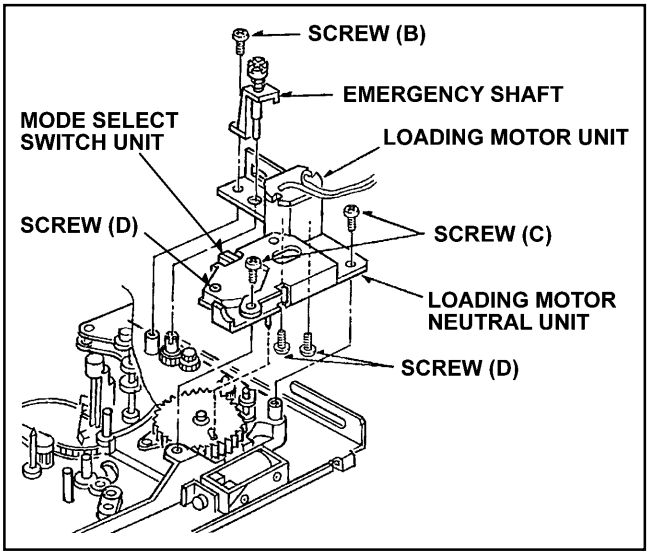


Figure 2-14

2-15. Main Cam Gear Replacement

(Removal)

1. Remove the Pinch Solenoid Unit and Loading Motor Unit. (Refer to item 2-10 and 2-13.)
2. Remove the Main Cam Gear as shown in Figure 2-15.

(Installation)

1. Install the Main Cam Gear, then the pin of Main Cam Arm Unit (*) should match with the groove position of Main Cam Gear as shown in Figure 2-15.
2. Follow the removal steps in reverse order.
3. After installation, perform the Pinch Solenoid Position Adjustment. (Refer to item 2-11)

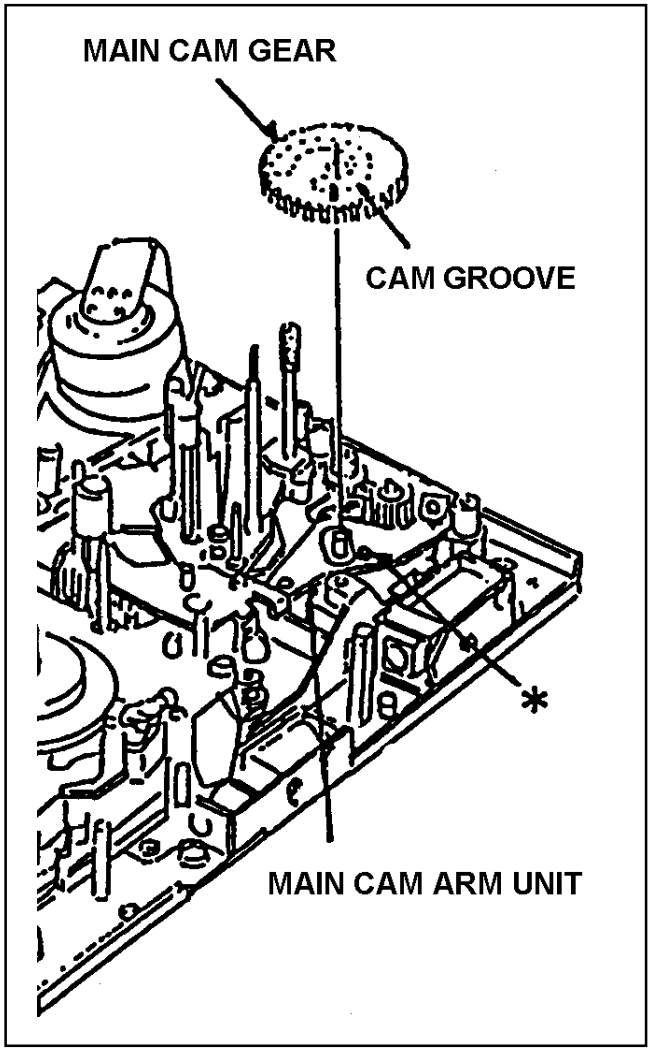


Figure 2-15

2-16. Thrust Screw Replacement and Adjustment

1. Remove the Thrust Adjustment Screw.
2. Clean the capstan shaft with an applicator.
3. Put the oil (VFK0906) on a new Thrust Adjustment Screw and install the upper end of the Capstan Housing.
4. Turn the Thrust Adjustment Screw slowly to counter-clockwise until the Capstan Rotor just starts turning (separate from the Capstan Rotor).
5. Turn the Trust Adjustment Screw to the other angle of 270 degrees from 180 degrees (about 225 degrees) clockwise as shown in Figure 1-16-2.
6. Put the glue (Ex. : Three Bond 1401B) on the Thrust Adjust Screw.
7. Confirm whether the Oil Seal does not come out to contact with the Capstan Housing.

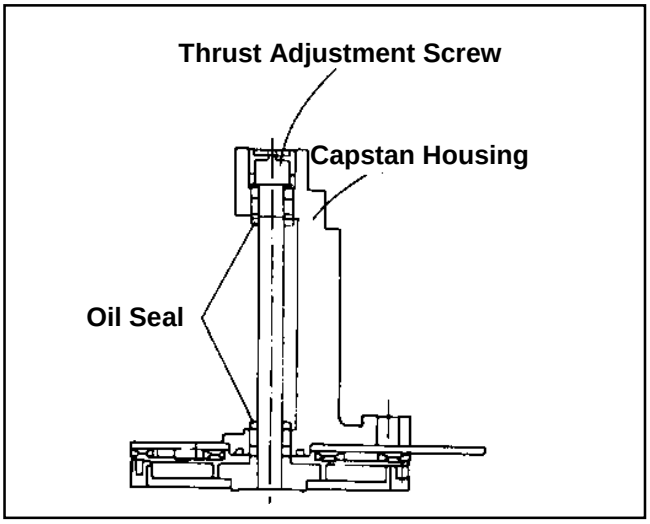


Figure 2-16-1

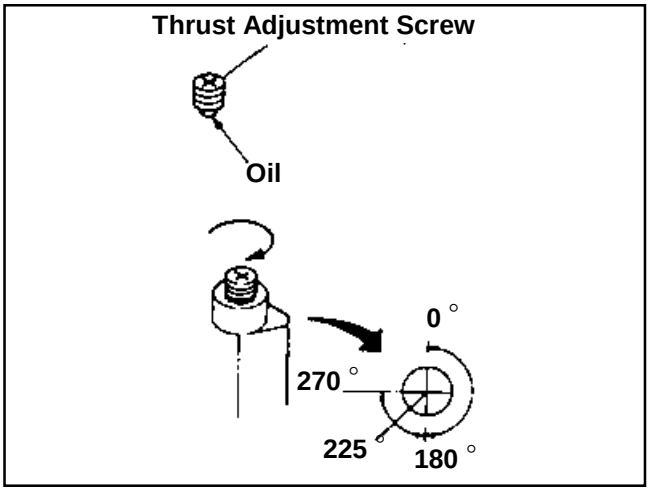


Figure 2-16-2

2-17. S5 Post Base Unit Replacement

(Removal)

1. Unscrew the screw (A) and remove the S5 Post Base Unit as shown in Figure 2-17.

(Installation)

1. Install the S5 post Base Unit follow the removal steps in reverse order.

Note: Be careful the S5 Post Base Unit is installed to mech. chassis as shown in Figure 2-17.

2. After installation, Post Height Pre-Adjustment and Tape path Adjustment should be performed.

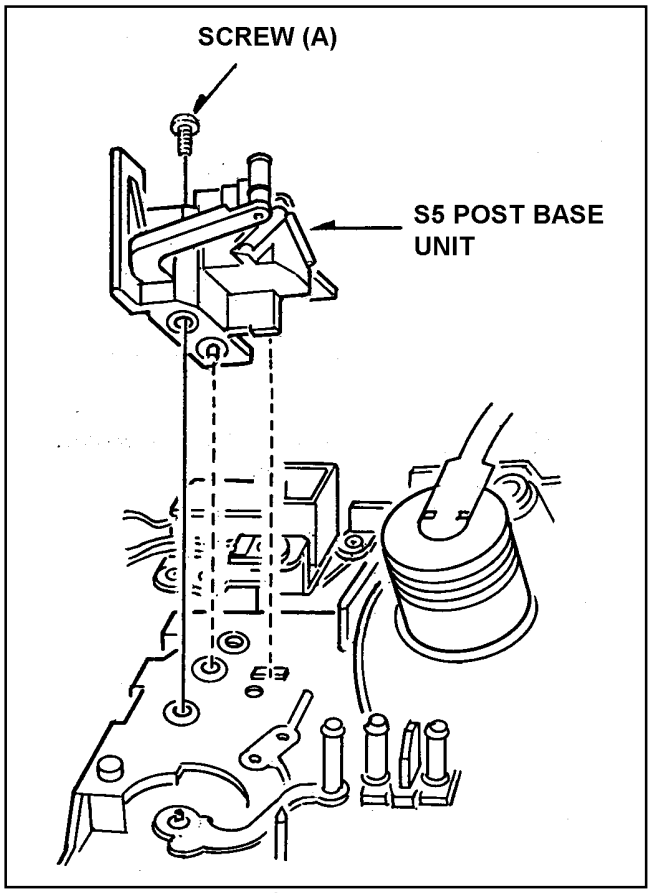


Figure 2-17

2-18. Tension Arm Unit Replacement

(Removal)

1. Remove the Cut Washer (A) and hang off the Tension Regulator Spring, and then remove the Tension Arm Unit as shown in Figure 2-18.

(Installation)

1. Install the new Tension Arm Unit following the removal steps in reveres order.
2. After installation, Tension Arm Adjustment should be performed the following steps.

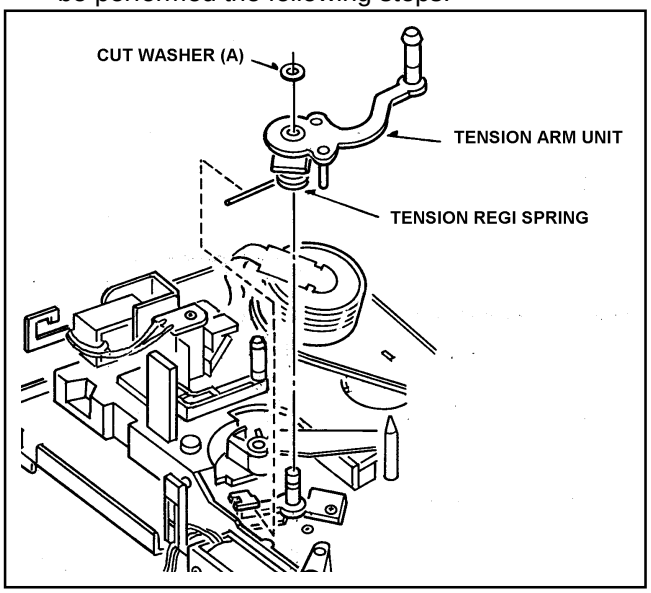
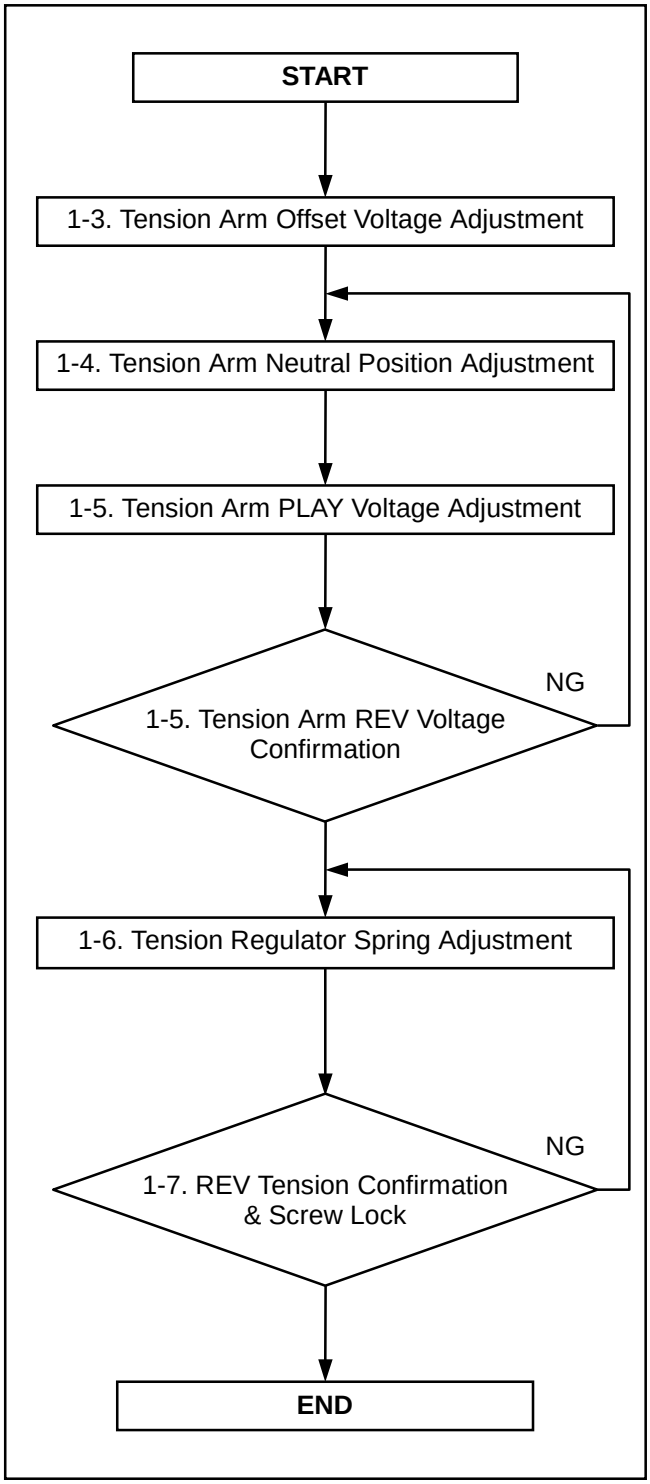


Figure 2-18

<Tension Arm Adjustment Flow Chart>



2-19. S1 Post Loading Arm Unit Replacement & Adjustment

(Removal)

1. Remove the S5 Post Base Unit. (Refer to item 2-17)
2. Remove the Tension Arm Unit. (Refer to item 2-18).
3. Unscrew the screw (A) and remove the S1 Post from Loading Rail as shown in Figure 2-19.
4. Remove the Cut Washer (B) and remove the S1 Loading Arm Unit as shown in Figure 2-19.

(Installation)

1. Install the new S1 Loading Arm Unit following the removal steps in reverse order, and then S1 Post Loading Arm Unit Phase Adjustment should be performed as follows.
2. After installation, confirm that the S1 Post move smoothly on the Loading Rail.
3. Tension Arm and Tape path Adjustment should be performed.

(Adjustment)

Install and adjust so that the Hole (A) is to be parallel with Hole (B) as shown in Figure 2-19.

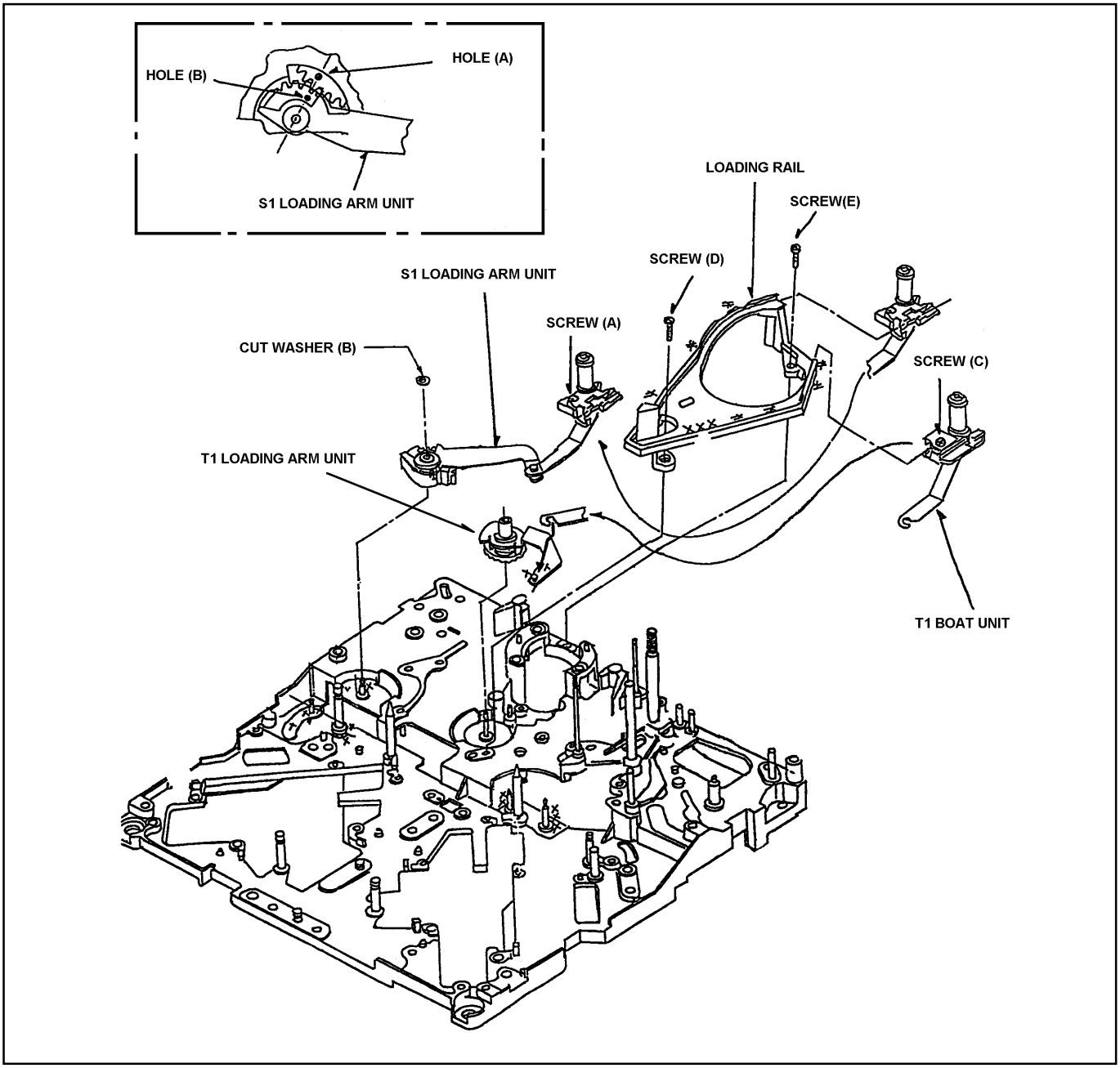


Figure 2-19

2-20. T1 Boat Unit Replacement and Adjustment

(Removal)

1. Unscrew the screw (C) and remove the T1 Post from Loading Rail as shown in Figure 2-19 on the above page.
2. Hang off the T1 Boat Unit from T1 Loading Arm Unit as shown in Figure 2-19.

(Installation)

1. Install the new T1 Boat Unit follow the removal steps in reverse order.
2. After installation, confirm that the T1 Post move smoothly on the Loading Rail.
3. Tape path Adjustment should be performed.

(Know how for Replacing T1 boat)

(1) T1 boat replacing procedure
Fix the T1 boat flat to the T loading arm N ass'y with minimum bending of the T1 boat arm.

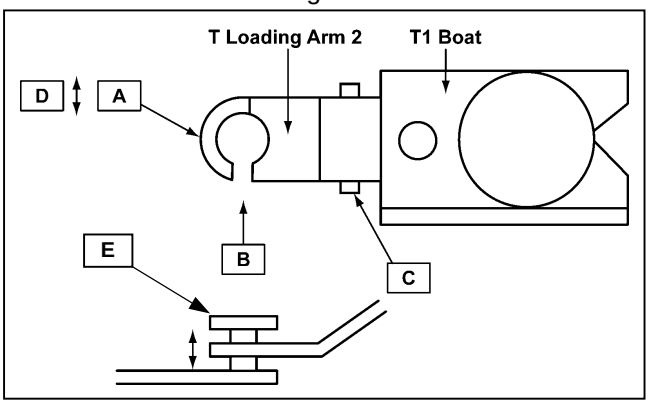


Figure 2-20-1

- If the portion A shown in the figure above is deformed , the T1 boat can cause snag during loading or significant change in X-Value. Visually check the portion A for deformation.
- If deformation is found, remove the T1 boat, flatten the arm by using an appropriate tool such as a pair of long nose pliers and then install the T1 boat. Or, replace the arm with a new one.
- If the portion B shown in the figure above is significantly deformed, the arm can become loose. At a half load position, while pinching the portion C of the arm with tweezers, slightly move the arm in the directions of D shown in the figure several times and make sure that the arm does not come off. If it can come off, remove the T1 boat. Using long nose pliers, narrow the opening B and then fit the T1 boat.

(Confirmation and Adjustment Procedure)

Tool : T Arm Height Adj. Tool A (VFK1542)
T Arm Height Adj. Tool B (VFK1543)

(1) T1 boat replacing procedure

1. Turn clockwise emergency red screw and set the hole of T1 Boat Unit to match line of take up side cassette fixed pin as shown in figure 2-20-2.
2. Push the Pinch Roller by hand to be close to Capstan and push the Pinch Solenoid by hand so that the Pinch Roller contacts Capstan.
3. Set the T Arm Height Adj. Tool A (VFK1452) to take up side cassette fixed pin as shown in figure 2-20-3.
4. Turn the Tool A and confirm that the Tool A is contact to pin E (the position of pin E as shown in figure 1-20-1) as shown in figure 2-20-3.
5. Set the T Arm Height Adj. Tool B (VFK1543) to take up side cassette fixed pin as shown in figure 2-20-3.
6. Turn the Tool B and confirm that the Tool B does not contact to pin E (the position of pin E as shown in figure 2-20-1) as shown in figure 2-20-3.

<Specification of T Arm Height>

	Contact of Pin E
Tool A (have cut)	contact
Tool B (have not cut)	no contact

Note 1: In case Tool A does not contact to Pin E.

1. Remove the T1 Boat Unit from Loading Rail and press up the T Loading Arm 1 by hand to change the height of T Loading Arm.
2. Install the T1 Boat Unit and hit the Pin E from the top lightly.
3. Repeat the T1 Loading Arm Height Adjustment.

Note 2: In case Tool B contact to Pin E.

1. Remove the T1 Boat Unit from Loading Rail and press down the T Loading Arm 1 by hand to change the height of T Loading Arm.
2. Install the T1 Boat Unit and hit the Pin E from the top lightly.
3. Repeat the T1 Loading Arm Height Adjustment.

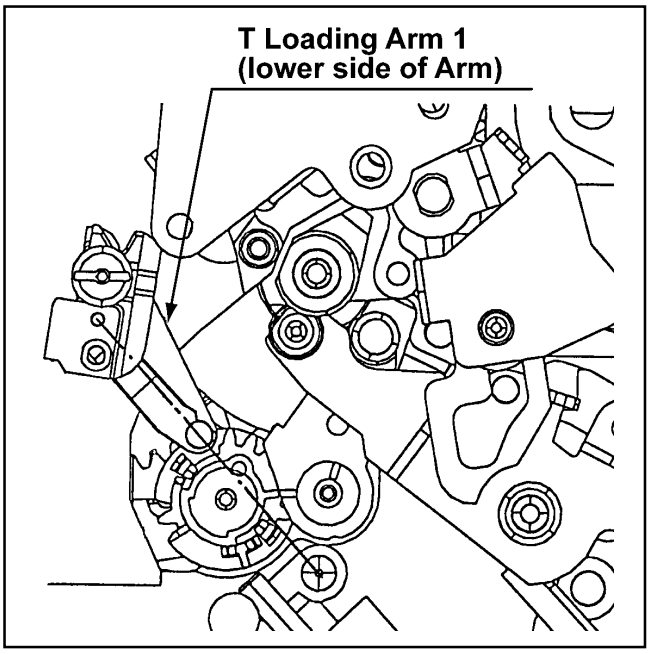


Figure 2-20-2

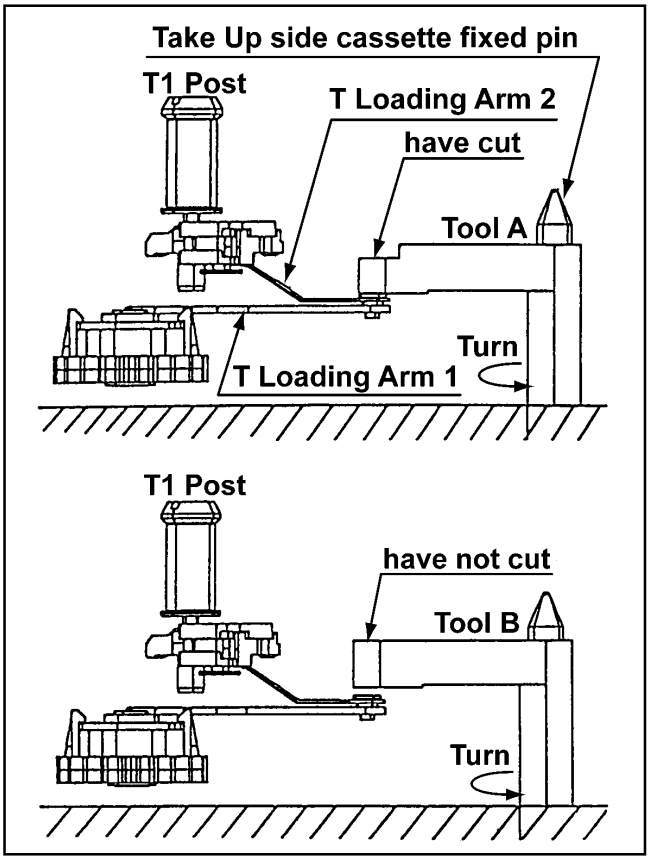


Figure 2-20-3

(2) Checking smooth movement of T1 Boat Unit.
Check X-Value. Check smooth loading and unloading operations. If not smooth (especially, at curve of rail), take the following steps.

1. Check deformation of T1 boat joint.
2. If no deformation, then reposition the loading rail as describe below.

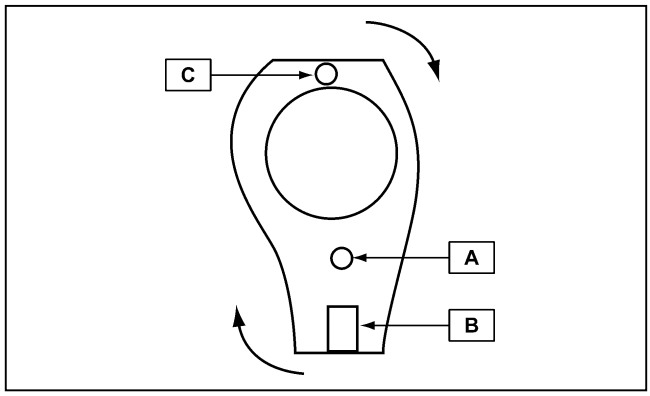


Figure 2-20-4

1. Loosen the screw A.
2. While pressing the projection B leftward, tighten the screw.

If operation is not smooth, remove CYL and loosen screws A and C. Turn the rail clockwise as shown in the figure and then tighten the screws.

If the rail does not work well, replace it or the T1 boat with a new one.

2-21. T1 Loading Arm Unit Replacement & Adjustment

(Removal)

1. Remove the cylinder Unit. (Refer to item 2-1)
2. Move the T1 Post to loading direction by manual ejecting method until the screw (D) can be removal position as shown in Figure 2-19.
3. Unscrew the 2 screws (A) and (C), then remove the S1 and T1 Post from Loading Rail as shown in Figure 2-19.
4. Unscrew the 2 screws (D) and (E), then remove the Loading Rail as shown in Figure 2-19.
5. Remove the T1 Loading Arm Unit as shown in Figure 2-19.

(Installation)

1. Install the T1 Loading Arm Unit following the removal steps in reverse order, then Phase Adjustment should be performed as follows.

(Adjustment)

1. When install the T1 Loading Arm Unit, then the hole (A) should match with the hole (B) as shown in Figure 2-19.
2. After installation, confirm that the S1 and T1 Post move smoothly on the Loading Rail.
3. Perform the T1 Loading Arm Height Adjustment. (Refer to previous item)
4. After perform the height adjustment, perform the Post Height Pre-Adjustment and Tape path Adjustment.

Note:
This replacement should be performed simultaneously with replacement of Cylinder Unit. It is convenient for Replacement of T1 Loading Arm Unit.

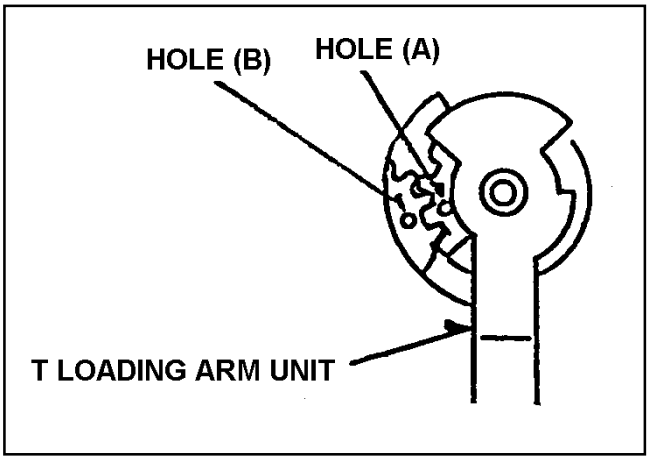


Figure 2-21

2-22. M-Cassette Brake Base Unit Replacement (Camera Recorder only)

(Removal)

1. Disconnect the all connectors on SERVO P.C.Board.
2. Unscrew the 4 screws (A) to remove the Servo P.C.Board as shown in Figure 2-22.
3. Unscrew the screw (A) to remove the Cassette Down Photo Unit.
4. Unscrew the screw (B) to remove the M-Lock/Release Piece Unit.
5. Unscrew the 2 screws (C) to remove the M cassette Brake Base Unit. Then pick up the pin of Eject Arm Unit.

(Installation)

1. Install the new cassette Brake Base Unit according to the opposite procedures of removing.

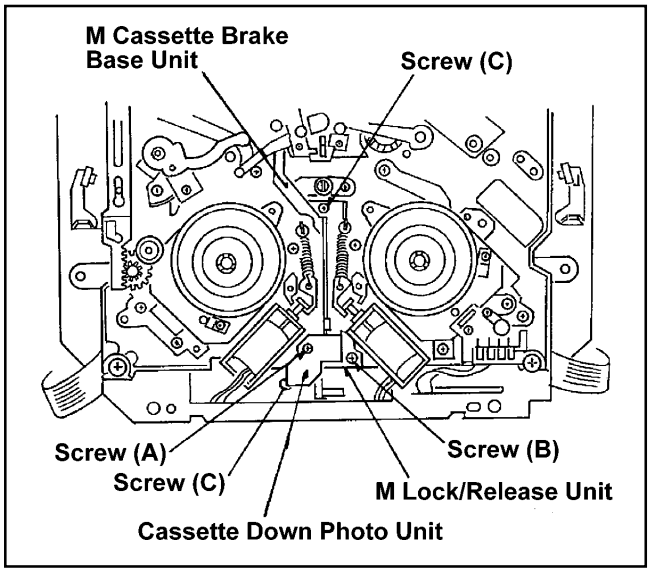


Figure 2-22

2-23. A/C head Replacement & Adjustment

<Tools required>

Nut Driver (5.5mm : VFK1150A)
Hex Driver (VFK1148A)
Hex Wrench (VFK1190A)

(Removal)

1. Loosen the hex screw (B) and remove the Nut (C). Hang off the Head Height Adjustment Spring and then remove the A/C Head Unit as shown in Figure 2-23-1.

Point: Memorize height of the Nut (C) before remove the Nut (C).

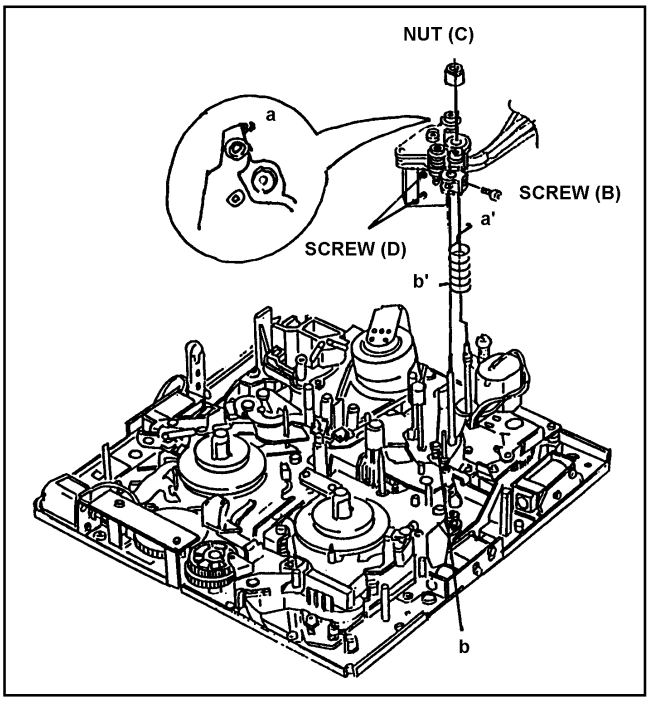


Figure 2-23-1

2. Remove the 2 screws (A) as shown in Figure 2-23-2.
3. Disconnect the **connector (A)** on the **P.C.Board (A)** and **connector (B)** on the **P.C.Board (B)**, and then remove the A/C Head from the A/C Head Plate as shown in Figure 2-23-2(Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.).

Click this button , then go to item "7. Table of Connector".

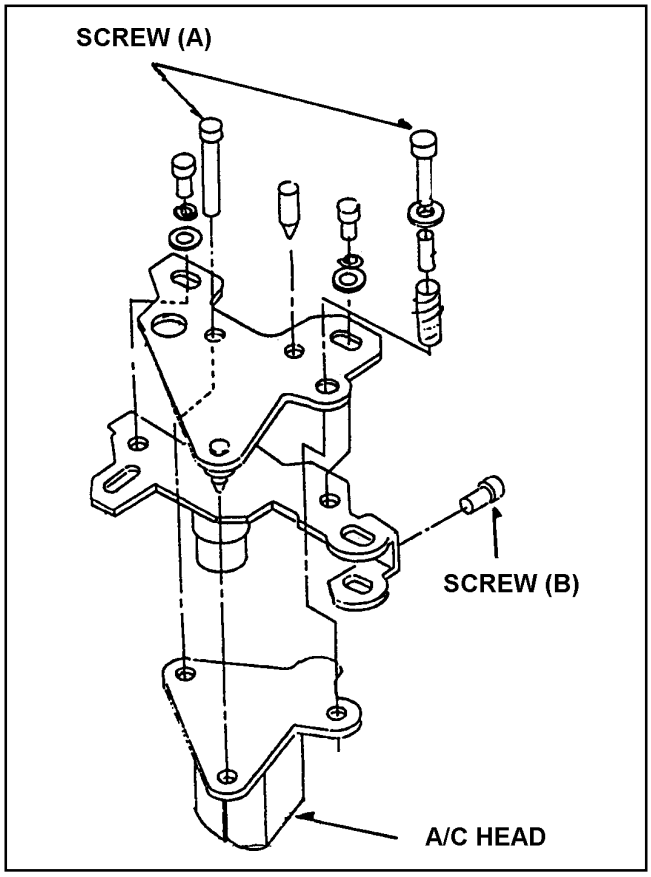


Figure 2-23-2

4. Remove the Shield Cover by removing 2 screws (D) as shown in Figure 2-23-1.
5. Unsolder the lead wires as shown in Figure 2-23-3. (When unsolder the lead wires, do not unsolder all at the same time).

(Installation)

1. Remove the Shield Case from the New A/C Head and solder the lead wires to New A/C Head. (Refer to Figure 2-23-3)
2. Reinstall the shield case to A/C Head.
3. Install the A/C Head to A/C Head Plate by tightening 2 screws (A), then set to parallel the gap between A/C Head and A/C Head Plate.
4. Install the A/C Head Unit.
5. Hang on the Head Height Adjustment Spring and tighten the Nut (C).
6. Clean the surface of the A/C Head.

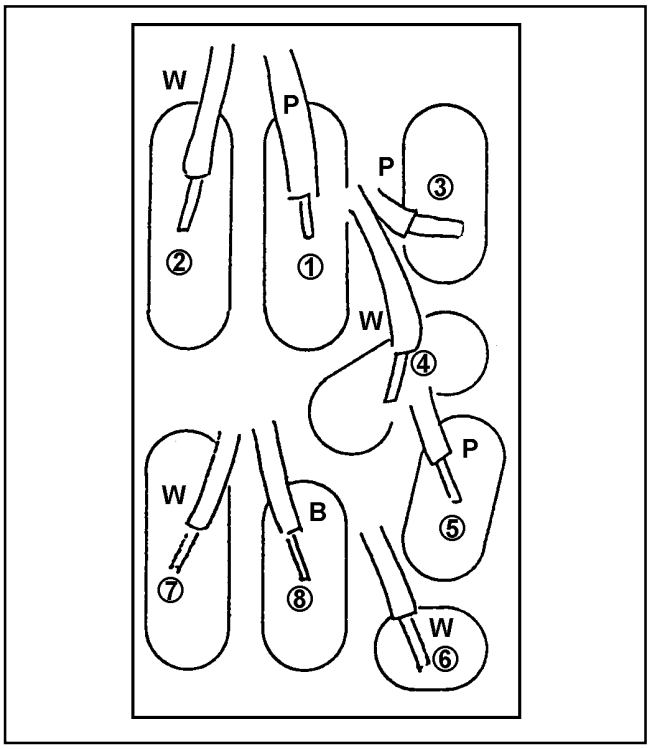
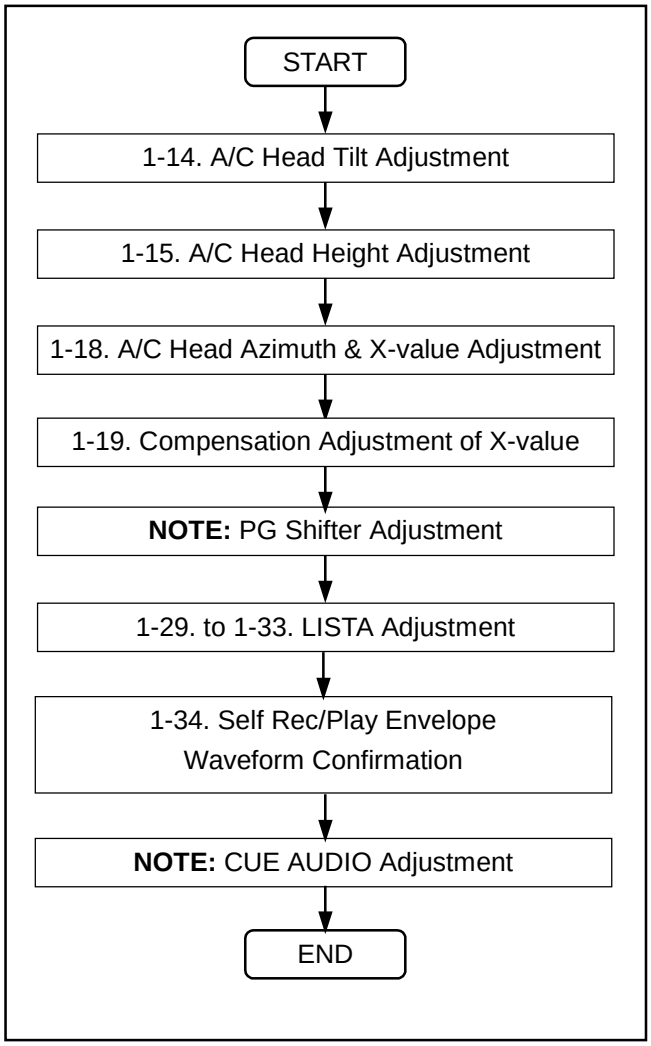


Figure 2-23-3

A/C Head	Cable Color		Singnal
1	Pink	Yellow	* CUE R/P * CUE & CTL ERASE
2	White		
3	Pink	Red	
4	White		
5	Pink	Green	
6	White		
7	White	Yellow	* CTL
8	Black		

<A/C Head Adjustment>

1. After change the A/C Head, please perform the following steps.



NOTE:
PG Shifter and CUE AUDIO adjustment procedures are mentioned on Electrical Adjustment Procedures .

2-24. Cleaner Solenoid Replacement & Adjustment

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this button , then go to item "7. Table of Connector".

2. Unscrew the 2 screws (A) and remove the Cleaner Solenoid Unit as shown in Figure 2-24-1.
3. Unscrew the 2 screws (B) and remove the Cleaner Solenoid as shown in Figure 2-24-1.

(Installation)

1. Install the new Cleaner Solenoid follow the removal steps in reverse order.
2. After installation, perform the Cleaner Solenoid Position adjustment.

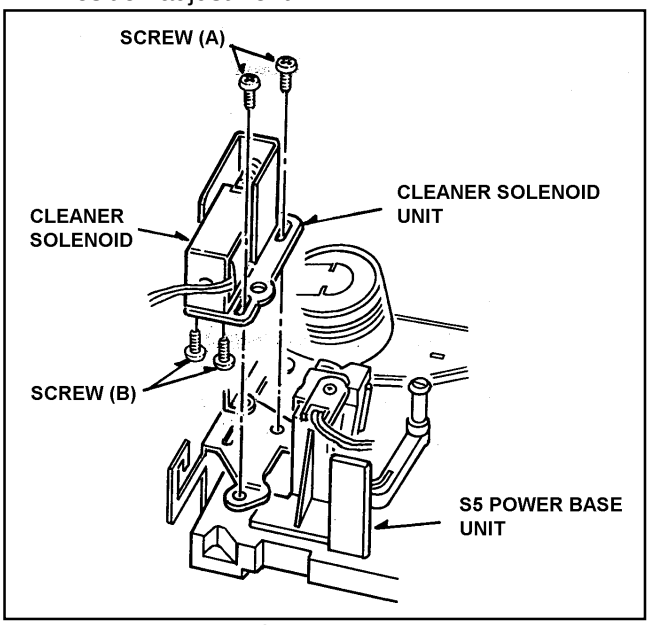


Figure 2-24-1

2-24-1. Cleaner Solenoid Position Adjustment

<Tools required>

Eccentric Driver (VFK0357)

1. Press the iron core of Cleaner Solenoid.
2. Observe the clearance (D) between Cleaning Arm Unit and Cleaner Base Plate as shown in Figure 2-24-3. And make sure that it is within 0.5 to 0.7mm.
3. If not, loosen the 2 screws (A) as shown in Figure 2-24-2 and adjust the position of Cleaner Solenoid Unit by moving arrow direction (C ←→ C) using the Eccentric drive so that the clearance (D) is within the specification. And tighten the 2 screws.
4. After adjustment, confirm that as follows.
5. Press the iron core of Cleaner Solenoid and released it, then the Cleaning Roller return to original position.
6. Press the iron core of the Cleaner Solenoid and confirm that the Cleaner Roller rotates, when the Cylinder is rotated by hand.

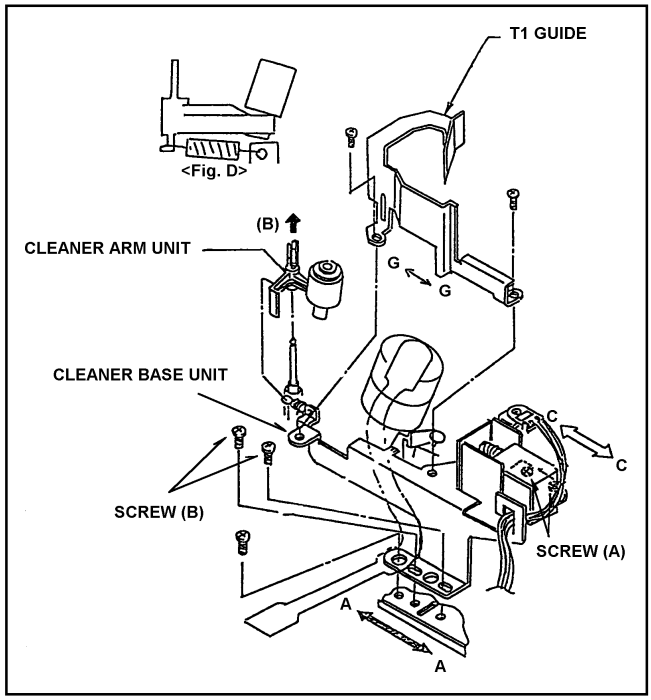


Figure 2-24-2

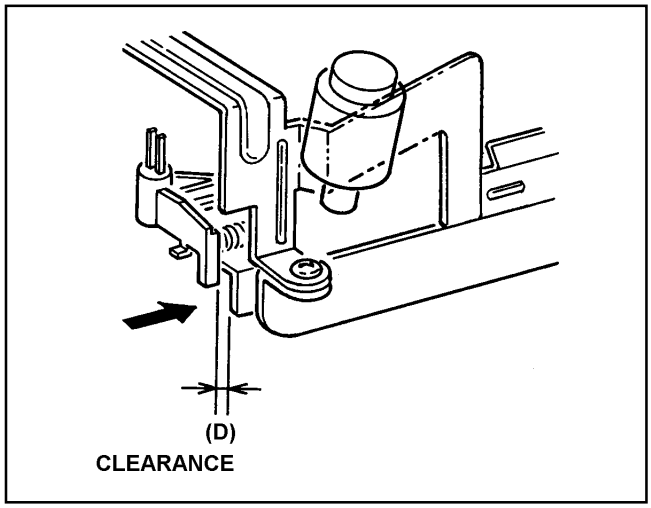


Figure 2-24-3

Note:
If the cleaner Base Plate is removed, execute the Cleaner roller Position adjustment.

2-24-2. Cleaner Roller Position Adjustment

<Tools required>
Eccentric Driver (VFK0357)

1. Observe the clearance (A) between Cleaner Roller and cylinder Unit as shown in Figure 2-24-4. And make sure that it is within 1.0 to 1.2mm.
2. If not, loosen the 2 screws (B) as shown in figure 2-24-2 and adjust the position of Cleaner Base Plate by moving arrow direction (A ←→ A) using the Eccentric driver so that the clearance (A) is within the specification. And tighten the 2 screws (B).

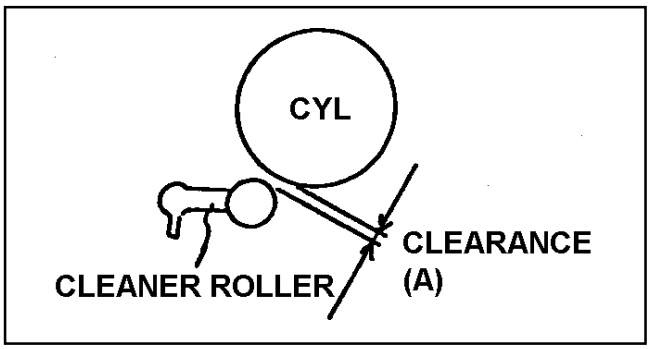


Figure 2-24-4

2-25. Distinction SW Unit Replacement (Studio VTR only)

(Removal)
1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item “7
2. . Table of Connector” about reference number of connector and name of P.C.Board.)

Click this mark , then go to item “7. Table of Connector”.

2. Remove the MIC Drive Rev Spring at Distinction Switch Unit side as shown in Figure 2-25.
3. Unscrew the 3 screws (A) and remove the MIC Rail Unit as shown in Figure 2-25.

(Installation)
1. Install the new Distinction Switch Unit following the removal steps in reverse order.
2. Confirm that the M and L cassettes touch to Distinction Switch Unit correctly.

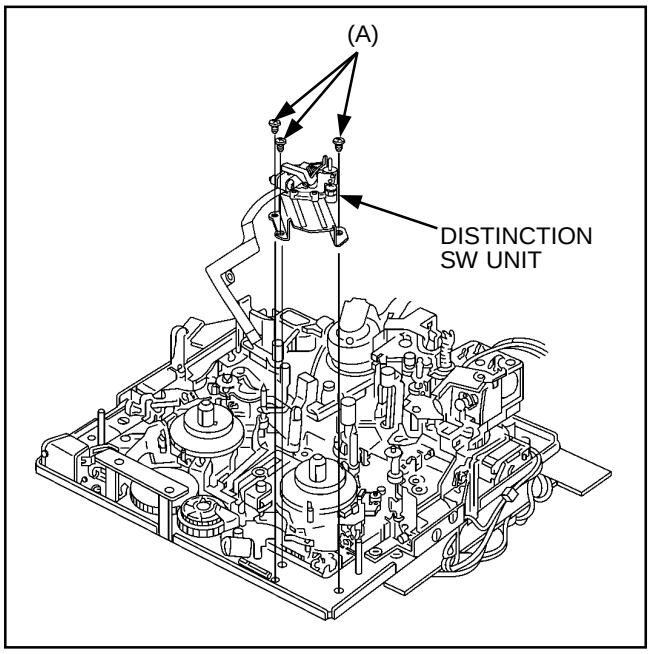


Figure 2-25

2-26. MIC Sensor SW Unit Replacement (Camera Recorder only)

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this button , then go to item "7. Table of Connector".

2. Unscrew the 2 screws (A) and remove the MIC Base Unit as shown in Figure 2-26.

(Installation)

1. Install the new MIC Base Unit according to the opposite procedures of removing.
2. Confirm that the M cassette touches to MIC Base Unit properly.

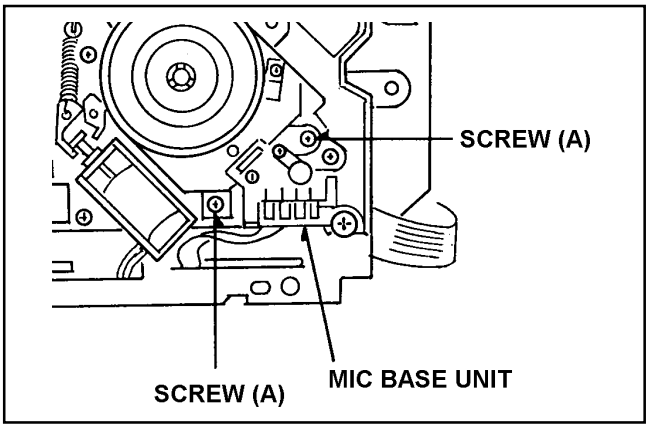


Figure 2-26

2-27. Reel Drive Motor Unit Replacement (Studio VTR only)

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this mark , then go to item "7. Table of Connector".

2. Unscrew the 2 screws (A) and remove the Reel Drive Sensor P.C.Board as shown in Figure 2-27.
3. Unscrew the 2 screws (B) and remove the Reel Drive Motor Unit as shown in Figure 2-27.

(Installation)

1. Install the new Reel Drive Motor Unit following the removal step in reverse order.

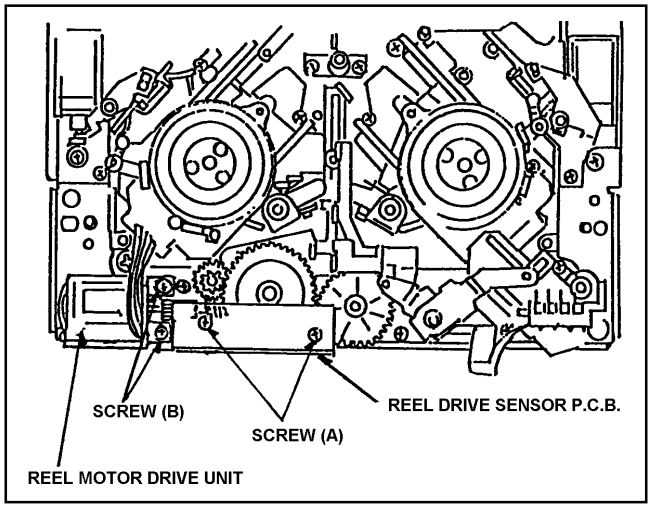


Figure 2-27

2-28. L-M Release Angle Unit Replacement (Studio VTR only)

(Removal)

1. Unscrew the 2 screws (A) and remove the L-M Release Angle Unit as shown in Figure 2-28.

(Installation)

1. Install the new L-M Release Angle Unit following the removal steps reverse order.

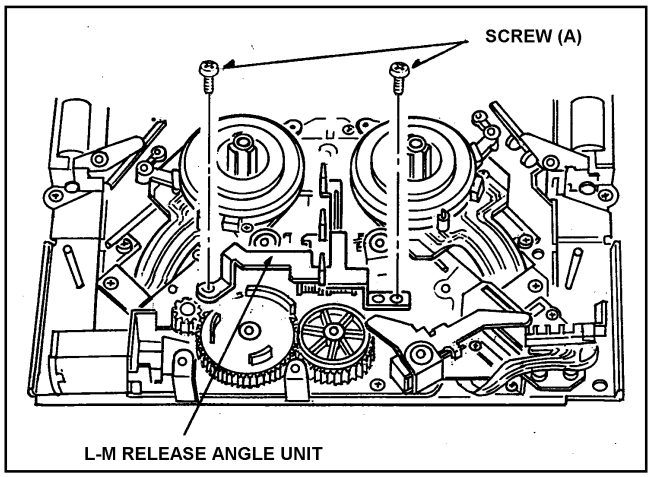


Figure 2-28

2-29. Slide Rod Unit Replacement & Adjustment (Studio VTR only)

(Removal)

1. Remove the L-M Release Angle Unit. (Refer to item 2-28)
2. Remove the Reel Drive Sensor P.C.Board. (Refer to item 2-27).
3. Remove the Cut Washer (A) and remove the Reel Drive Cam Gear as shown in Figure 2-29-1.
4. Remove the Cut Washer (B) and remove the MIC Drive Arm Unit as shown in Figure 2-29-1.
5. Remove the Cut Washer (C) and remove the MIC Geneva Gear as shown in Figure 2-29-1.
6. Remove the Cut Washer (D) and remove the Reel Drive Arm Unit as shown in Figure 2-29-2.
7. Remove the Supply and Take Up Reel Rotor Unit. (Refer to item 2-5)
8. Remove the 2 Cut Washers (E) and remove the Supply and Take Up Base Drive Arm Unit as shown in Figure 2-29-1.
9. Remove the 2 Cut Washers (F) and remove the Slide Rod Unit as shown in Figure 2-29-1.

(Installation)

1. Install the new Slide Rod Unit following the removal steps in reverse order.
2. After installation of the Reel Drive Cam Gear and MIC Geneva Gear, phase adjustment should be performed as follows.

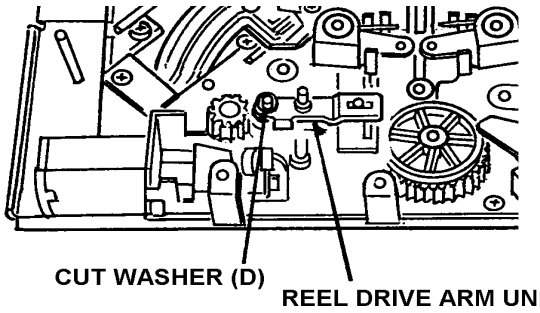


Figure 2-29-2

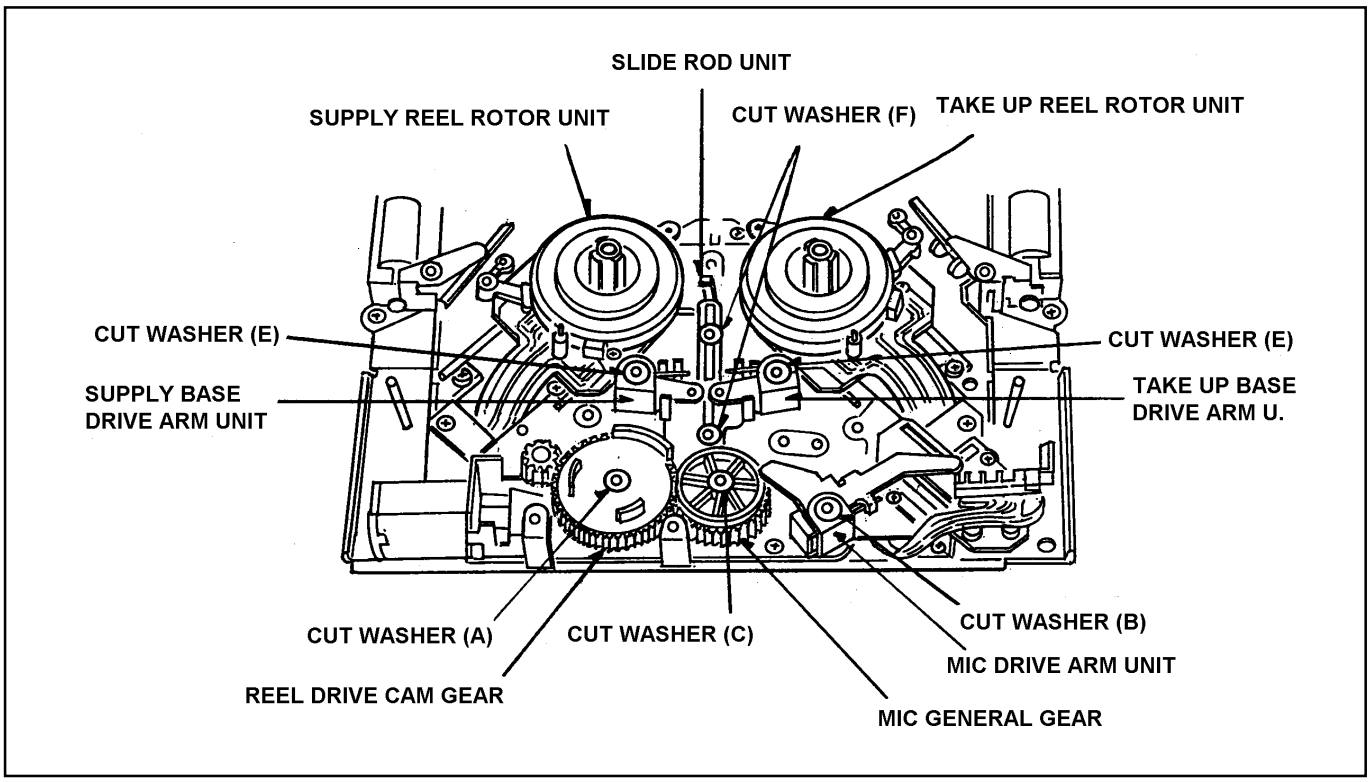


Figure 1-29-1

(Adjustment)

1. Install the MIC Geneva Gear to the Chassis.
2. Place the Reels in the M-Size position by hand.
3. Install the MIC Drive Arm Unit.
4. Place the REC Inhibit SW in front position on Distinction SW Unit by rotation of MIC Geneva Gear, and then MIC Geneva Gear should be positioned as shown in Figure 2-29-3.

Note:
Protrusion of MIC DRIVE Arm Unit is positioned as shown in Figure 2-29-3.

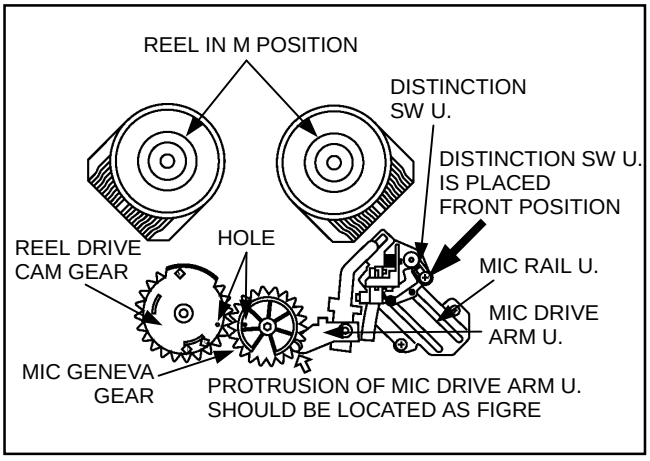


Figure 2-29-3

5. Install the Reel Drive Cam Gear and the hole of Reel Drive Cam Gear should match with the hole of MIC Geneva Gear as shown in Figure 2-29-3.
6. Install the Cut Washer (A), (B) and (C) as shown in Figure 2-29-1.

Point of Adjustment:

1) Reel in M-Size position.
2) Set the REC Inhibit SW in front position of Distinction SW Unit.
3) Protrusion of MIC Drive Arm Unit is positioned as shown in Figure 2-29-3.
4) Holes between Reel Drive Cam Gear and MIC Geneva Gear are matched.

2-30. M-Stopper Solenoid Replacement & Adjustment (Studio VTR only)

(Removal)

1. Disconnect the **connector (A)** on the **P.C.Board (A)**. (Please refer item "7. Table of Connector" about reference number of connector and name of P.C.Board.)

Click this mark , then go to item "7. Table of Connector".

2. Unscrew the 4 screws (A) and (B) and remove the M-Stopper Solenoid as shown in Figure 2-30-1.

(Installation)

1. Install the new M-Stopper Solenoid following the removal steps in reverse order.
2. After installation, position adjustment should be performed as follows.

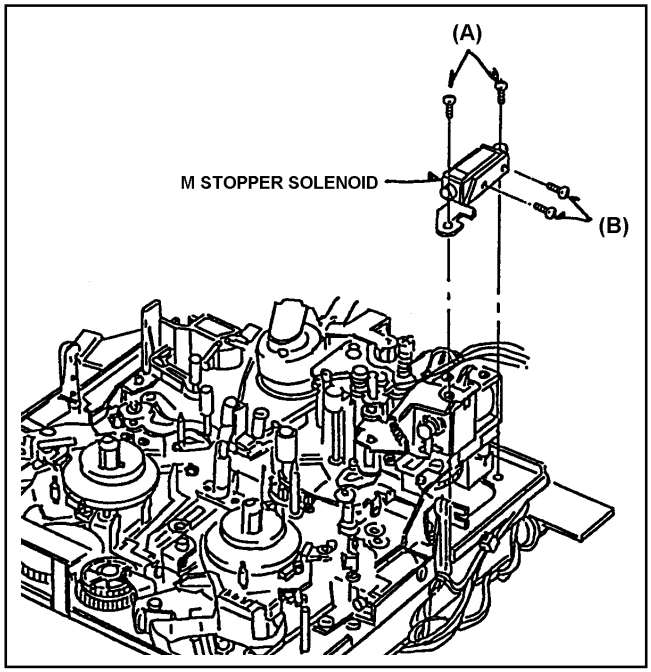


Figure 2-30-1

(Adjustment)

1. Place the reels in the L size position.
2. Push the iron core of M-Stopper Solenoid by hand.
3. Observe the clearance (A) between Mech. Chassis and M-Stopper as shown in Figure 2-30-2. And make sure that it is within 1.1 to 1.3mm.
4. If not, loosen the 2 screws (A) as shown in Figure 2-30-1, which fixed M-Stopper Solenoid. And adjust the position of M-Stopper Solenoid so that the clearance (A) is within the specification. And tighten the 2 screws (A) as shown in Figure 2-30-2.

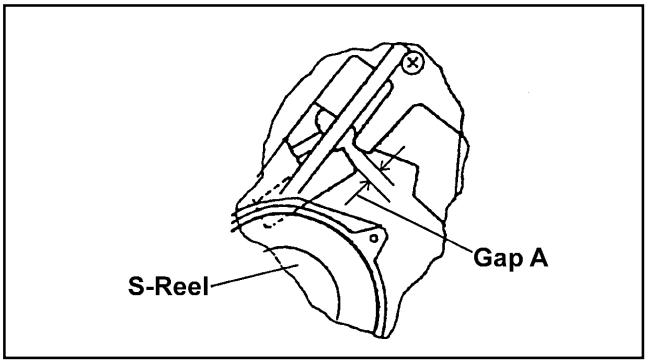


Figure 2-30-2

2-31. T4 Post Position Adjustment

1. Confirm that the hole (B) of T4 connection Gear match with the hole of T4 post as shown in figure 2-31.
2. Confirm that the portion (C) of T4 connection Gear and hole (A). Those are located as shown in figure 2-31.
3. If not, adjust the phase of T4 post following the above procedure.

Note:
This confirmation should be performed on unloading condition.

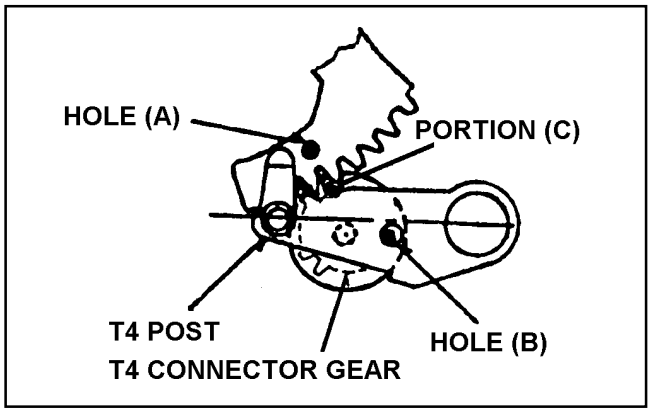


Figure 2-31

3. Compensation Adjustment of X value

1-19. Compensation Adjustment of X value

SPEC	X VALUE 25 → 0 ± 27
TEST POINT	A11: X VALUE 25 (SERVICE MENU)
ADJ.	SERACH DIAL button
MODE	PLAY
TAPE	NTSC: VFM3582KM/KL, PAL: VFM3682KM/KL
TOOL	-------

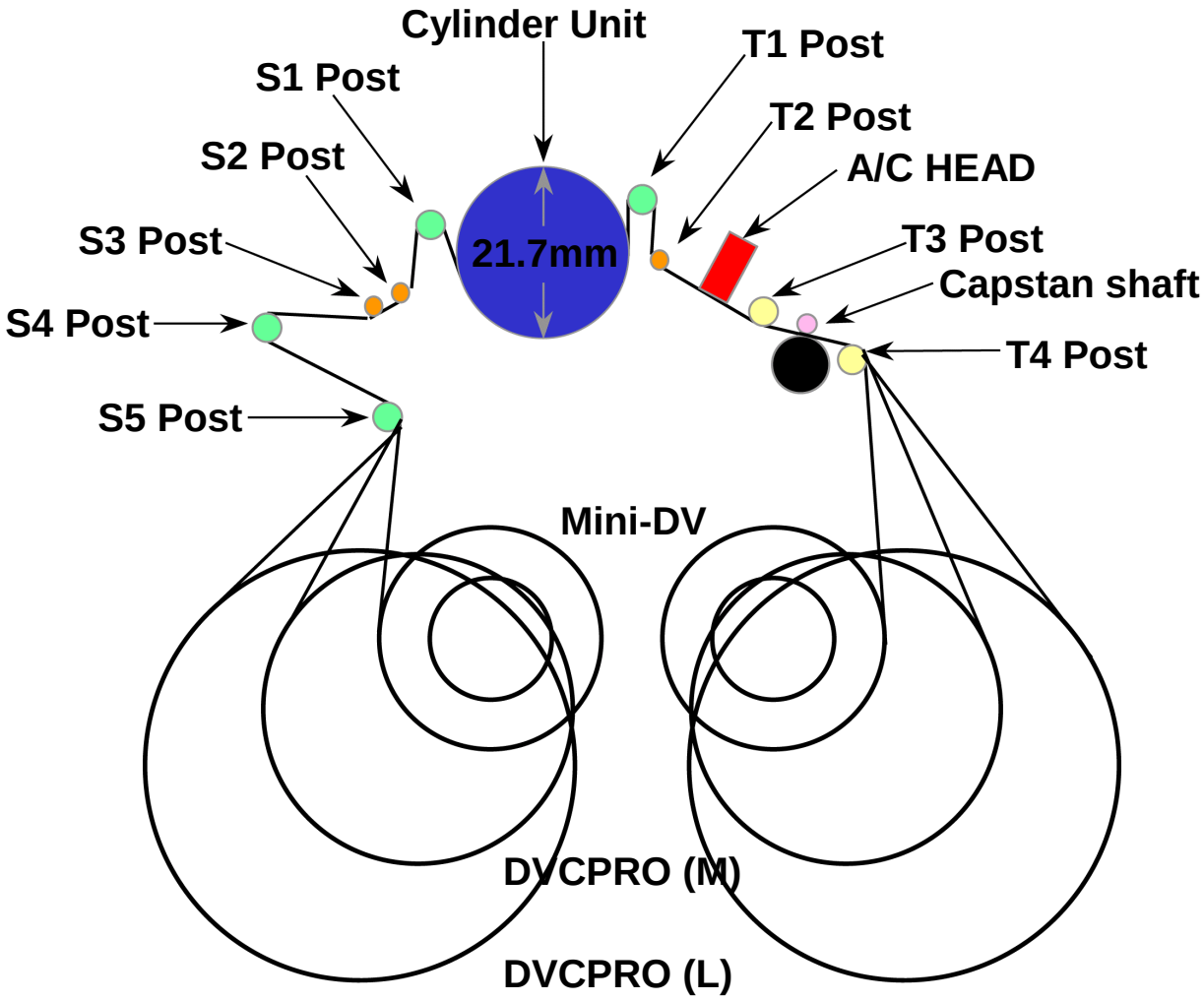
1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
5. Select item **"A11: X VALUE 25"** rotating **"Search Dial"**.
6. Playback the alignment tape.
7. Press **"Search"** button so that the following character is displayed on the screen.
8. Keep pressing the **"Search"** button until the compensation value on the **"A11: X VALUE 25"** is renewed. (The value disappear in a moment before it is renewed.)

```
PLAY ALIGNMENT TAPE OK?
        OK : <SEARCH>
        NO : <MENU>
```

9. Confirm that the compensation value is within the specification.
10. If it is out of SPEC., perform X-value Adjustment (item 1-18).

Click this button , then go to item "1-19. Compensation Adjustment of X value" .

4. Name of Tape Transportation



● :VFK1149B (Post Driver)

● :VFK1151A (Nut Driver)

<Post Limit as Playback condition>

NAME	LIMIT
S1 Post	UPPER
S2 Post	FIXED
S3 Post	FIXED
S4 Post	LOWER
S5 Post	FREE or UPPER
T1 Post	UPPER
T2 Post	FIXED
T3 Post	LOWER
T4 Post	LOWER

5. Table of Test Point

<Table of Test Point, VR, Setting for Service Menu>

Name		TP & VR
[Tension Arm Adjustment]		
TENSION		SERVO (F7) : TP201
TENSION OFFSET		MECH I/F : VR1
TENTION GAIN		MECH I/F : VR2
[Photo Sensor Voltage Adjustment]		
S-PHOTO	Sensor Voltage Output	SERVICE MENU : A07: T PHOTO
	Adjustment Point	MECH I/F : VR201
T-PHOTO	Sensor Voltage Output	SERVICE MENU : A08: S PHOTO
	Adjustment Point	MECH I/F : VR202
[Tape Path, A/C Head Adjustment]		
R/P-ENV		RF (F8) : TP6301
PB-ENV		RF (F8) : TP5301
R/P-HSW		SERVO (F7) : TP233
PB-HSW		SERVO (F7) : TP232
CTL		SERVO (F7) : TP30
FP (FRAME PULSE)		SERVO (F7) : TP301
CUE		AUDIO (F1) : TP200
[LISTA Adjustment]		
ATF	R/P-ATF ERR	RF (F8) : TP6701
	PB-ATF ERR	RF (F8) : TP5701
HSW (TRG)	R/P-HSW	SERVO (F7) : TP233
	PB-HSW	SERVO (F7) : TP232
GND	GND	SERVO (F7) : TG1
ATF GAIN		• Select the EVR on the Service Menu. (Refer to following table)

<A/C Head Adjustment Mode>

Adjustment Name	Adjustment mode (SERVICE MENU)
Azimuth, X Value Adj.	A15: RPL LIN 25
X Value compensation	A11: X VALUE 25

<LISTA Adjustment Mode>

Adjustment Name	Adjustment Mode	
	SERVICE MENU	TRG
Sensitivity Adj. R/P	A14: RP GAIN 25	R/P-HSW
Linearity Adj.	A15: RP LIN 25	
Sensitivity Adj. PB	A17: PB GAIN 25	PB-HSW
Sensitivity Adj. DV	A18: RP GAIN DV	R/P-HSW

6. Table of Test Point for each adjustment item.

1-3. Tension Arm Offset Adjustment

TEST POINT	TENSION : TP201(SERVO:F7)
ADJ.	TENSION OFFSET : VR1(MECHA I/F)

Click this button , then go to item "1-3. Tension Arm Offset Adjustment" .

1-4. Tension Arm Neutral Position Adjustment

TEST POINT	TENSION : TP201(SERVO:F7)

<No Tape loading procedure>

1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A09: TENSION"** rotating **"Search Dial"**.
5. Rotate **"Search Dial"** clockwise while pressing **"Search"** button so that the mechanism shift to Loading mode. (**"on"** mark is displayed on **A09 : TENSION**)

Click this button , then go to item "1-4. Tension Arm Neutral Position Adjustment" .

1-5. Tension Arm PLAY and REV Voltage Adjustment and Confirmation

TEST POINT	TENSION : TP201(SERVO:F7)
ADJ.	TENSION GAIN : VR2(MECHA I/F)

<No Tape loading procedure>

1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A09: TENSION"** rotating **"Search Dial"**.
5. Rotate **"Search Dial"** clockwise while pressing **"Search"** button so that the mechanism shift to Loading mode. (**"on"** mark is displayed on **A09 : TENSION**)

Click this button , then go to item "1-5. Tension Arm PLAY and REV Voltage Adjustment" .

1-6. Tension Regulator Spring Adjustment

TEST POINT	TENSION : TP201(SERVO:F7)

<No Tape loading procedure>

1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A09: TENSION"** rotating **"Search Dial"**.
5. Rotate **"Search Dial"** clockwise while pressing **"Search"** button so that the mechanism shift to Loading mode. (**"on"** mark is displayed on **A09 : TENSION**)

Click this button , then go to item "1-6. Tension Regulator Spring Adjustment" .

1-7. REV Tension Confirmation

TEST POINT	TENSION : TP201(SERVO:F7)

<No Tape loading procedure>

1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A09: TENSION"** rotating **"Search Dial"**.
5. Rotate **"Search Dial"** clockwise while pressing **"Search"** button so that the mechanism shift to Loading mode. (**"on"** mark is displayed on **A09 : TENSION**)

Click this button , then go to item "1-7. REV Tension Confirmation" .

1-8. Tension Confirmation

<REV(-1) Mode Setting Procedure>

1. Rotate the **"Search Dial"** to select -1 speed.

Click this button , then go to item "1-8. Tension Confirmation " .

1-9. Photo Sensor Voltage Adjustment

TEST POINT	T PHOTO sensor voltage	A07: T PHOTO (SERVICE MENU)
	S PHOTO sensor voltage	A08: S PHOTO (SERVICE MENU)
ADJ.	T PHOTO sensor voltage adjustment VR: VR201(MECHA I/F) S PHOTO sensor voltage adjustment VR: VR202(MECHA I/F)	

<How to select T & S PHOTO>

1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A07: T PHOTO"** or **"A08: S PHOTO"** rotating **"Search Dial"**.

Click this button , then go to item "1-9. Photo Sensor Voltage Adjustment " .

1-11. Envelope Waveform Adjustment

TEST POINT	R/P ENV : TP6301(RF:F8), R/P HSW(TRIG) : TP233(SERVO:F7)

Click this button , then go to item "1-11. Envelope Waveform Adjustment " .

1-14. A/C Head Tilt Adjustment

Note: This model does not required set to CTL output level confirmation mode.

Click this button , then go to item "1-14. A/C Head Tilt Adjustment" .

1-15. A/C Head Height Adjustment

TEST POINT	CUE: TP200(AUDIO:F1), CTL: TP30(SERVO:F7)

Click this button , then go to item "1-15. A/C Head Height Adjustment " .

1-16. A/C Head Tilt Confirmation

TEST POINT	CUE: TP200(AUDIO:F1), CTL: TP30(SERVO:F7)

Click this button , then go to item "1-16. A/C Head Tilt Adjustment " .

1-17. A/C Head Height Confirmation

TEST POINT	CUE: TP200(AUDIO:F1), CTL: TP30(SERVO:F7)

Click this button , then go to item "1-17. A/C Head Height Confirmation" .

1-18. A/C Head Azimuth and X-value Adjustment (SD 25M)

TEST POINT	R/P ENV: TP6301(RF:F8), R/P HSW: TP233(SERVO:F7) CUE: TP200(AUDIO:F1), CTL: TP30(SERVO:F7)
ADJUSTMENT MODE	A15: RP LIN 25(SERVICE MENU)

<Adjustment mode setting procedure>

1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A15: RP LIN 25"** rotating **"Search Dial"** and confirm that the status to **"ON"**.

Click this button , then go to item "1-18. A/C Head Azimuth and X-value Adjustment (SD 25M)" .

1-20. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment)

TEST POINT	CTL: TP30(SERVO:F7)	
VTR MODE	PLAY(+1)	PLAY on 25M mode
	REV(-1)	REV -1 on 25M mode(how to set REV x1 mode, refer to below description)

<REV(-1) Mode Setting Procedure>

1. Rotate the **"Search Dial"** to select -1 speed.

Click this button , then go to item "1-20. REV Tape Path Confirmation and Adjustment (T4 Post Height Adjustment)" .

1-21. CTL Self Recording Level Confirmation

TEST POINT	CTL: TP30(SERVO:F7)	
VTR MODE	PLAY(+1)	PLAY on 25M mode
	REV(-1)	REV -1 on 25M mode(how to set REV x1 mode, refer to below description)
	REV(-0.2)	REV -1 on 25M mode(how to set REV x0.2 mode, refer to below description)

<REV(-1) Mode Setting Procedure>

1. Rotate the **"Search Dial"** to select -1 speed.

<REV(-0.2) Mode Setting Procedure>

1. Rotate the **"Search Dial"** to select -0.2 speed.

Click this button , then go to item "1-21. CTL Self Recording Level Confirmation" .

1-23. Confirmation of Envelope on REV, REW and FF mode

TEST POINT	R/P ENV: TP6301(RF:F8), R/P HSW: TP233(SERVO:F7)

<REV(-1) Mode Setting Procedure>

1. Rotate the **"Search Dial"** to select -1 speed.

Click this button ■, then go to item "1-23. Confirmation of Envelope on REV, REW and FF mode " .

1-24. Confirmation of Play Start Envelope

TEST POINT	R/P ENV: TP6301(RF:F8), R/P HSW: TP233(SERVO:F7)

Click this button ■, then go to item "1-24. Confirmation of Play Start Envelope" .

1-25. REV mode Tape Path Limit Confirmation

<REV(-1) Mode Setting Procedure>

1. Rotate the **"Search Dial"** to select -1 speed.

Click this button ■, then go to item "1-25. REV mode Tape Path Limit Confirmation" .

1-30. LISTA Connection and Boot Up

TEST POINT	ATF	RP ATF ERR: TP6701(RF:F8)
		PB ATF ERR: TP5701(RF:F8)
	HSW	R/P HSW: TP233(SERVO:F7)
		PB HSW: TP232(SERVO:F7)
	GND	TG1(SERVO:F7)

Click this button ■, then go to item "1-30. LISTA Connection and Boot Up" .

1-32. LISTA Sensitivity Adjustment and Sensitivity Detection

TEST POINT	Sensitivity Adj. R/P Head	ATF	R/P ATF ERR: TP6701(RF:F8)
		HSW	R/P HSW: TP233(SERVO:F7)
		GND	GND: TG1(SERVO:F7)
	Sensitivity Adj. PB Head	ATF	PB ATF ERR: TP5701(RF:F8)
		HSW	PB HSW: TP232(SERVO:F7)
		GND	GND: TG1(SERVO:F7)
	Sensitivity Adj. R/P Head (DV)	ATF	R/P ATF ERR: TP6701(RF:F8)
		HSW	R/P HSW: TP233(SERVO:F7)
		GND	GND: TG1(SERVO:F7)
ADJUST(ATF GAIN)	Sensitivity Adj. R/P Head		A14: RP GAIN 25(Service Menu)
	Sensitivity Adj. PB Head		A17: PB GAIN 25(Service Menu)
	Sensitivity Adj. R/P Head (DV)		A18: RP GAIN DV(Service Menu)

<Adjustment mode setting procedure>

1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A14: RP GAIN 25"**, **"A17: PB GAIN 25"** or **"A18: RP GAIN DV"** rotating **"Search Dial"** follow the adjustment item.

<Ex. How to change and store the value of EVR(Service Menu)>

1. Select item **"A14: RP GAIN 25"** rotating **"Search Dial"**.
2. Rotate **"Search Dial"** while pressing the **"Search"** button to change numerical value for adjustment.

Click this button , then go to item "1-32. LISTA Sensitivity Adjustment and Sensitivity Detection" .

1-33. LISTA Linearity Adjustment and Waving Measurement

TEST POINT	ATF	RP ATF ERR: TP6701(RF:F8)
	HSW	R/P HSW: TP233(SERVO:F7)
	GND	TG1(SERVO:F7)
ADJUST MODE		A15: RP LIN 25(Service Menu)

<Adjustment mode setting procedure>

1. Press the **"MENU"** button on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the "SET" button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A15: RP LIN 25"** rotating **"Search Dial"** and confirm that the status to **"ON"**.

Click this button , then go to item "1-33. LISTA Linearity Adjustment and Waving Measurement " .

1-34. Self-REC/PLAY Envelope Waveform Confirmation

TEST POINT	R/P ENV: TP6301(RF:F8), R/P HSW: TP233(SERVO:F7)

Click this button , then go to item "1-34. Self-REC/PLAY Envelope Waveform Confirmation" .

1-35. DV Playback Envelope Waveform Confirmation

TEST POINT	R/P ENV: TP6301(RF:F8), R/P HSW: TP233(SERVO:F7)

Click this button , then go to item "1-35. DV Playback Envelope Waveform Confirmation" .

7. Table of Connector.

2-1. Cylinder Unit Replacement

Connector (A)	P33
P.C.Board (A)	MECHA I/F

Click this button , then go to item "2-1. Cylinder Unit Replacement" .

2-3. T1 Guide Position Adjustment

<No Tape loading procedure>

1. Press the **"MENU"** on the front panel to display the **"SETUP-MENU"**.
2. When the **"SETUP-MENU"** is displayed, press the **"MENU"** button while pressing the **"EJECT"** button and the **"STOP"** button. Then the **"SERVICE-MENU"** is displayed.
3. Move the cursor **" * "** with the **"Search Dial"** to select item **"A00: SERVO ADJUST"**. Press the **"SET"** button to move into **"A00: SERVO ADJUST"** screen.
4. Select item **"A09: TENSION"** rotating **"Search Dial"**.
5. Rotate **"Search Dial"** clockwise while pressing **"Search"** button so that the mechanism shift to Loading mode. (**"on"** mark is displayed on **A09 : TENSION**)

Click this button , then go to item "2-3. T1 Guide Position Adjustment " .

2-5. Supply & Take-up Reel Rotor Unit Replacement (In case of Studio VTR)

Connector (A)	P34
Connector (B)	P35
P.C.Board (A)	MECHA I/F

Click this button , then go to item "2-5. Supply & Take-up Reel Rotor Unit Replacement (In case of Studio VTR)" .

2-6. Main Brake Torque Confirmation

<Specification>

Direction A	Direction B
0.4 ± 0.2cN (40 ± 20g·cm)	0.2 ± 0.1cN (20 ± 10g·cm)

Click this button , then go to item "2-6. Main Brake Torque Confirmation" .

2-8. Supply Brake Solenoid Replacement and Adjustment (Studio VTR only)

Connector (A)	P15
P.C.Board (A)	MECHA I/F

Click this button , then go to item "2-8. Supply Brake Solenoid Replacement and Adjustment (Studio VTR only)" .

2-9. Take-up Brake Solenoid Replacement and Adjustment (Studio VTR only)

Connector (A)	P18
P.C.Board (A)	MECHA I/F

Click this button , then go to item "2-8. Supply Brake Solenoid Replacement and Adjustment (Studio VTR only)" .

2-10. Pinch Solenoid Replacement

Connector (A)	P20
P.C.Board (A)	MECHA I/F

Click this button , then go to item “2-10. Pinch Solenoid Replacement” .

2-13. Loading Motor replacement

Connector (A)	P21
P.C.Board (A)	MECHA I/F

Click this button , then go to item “2-13. Loading Motor replacement” .

2-14. Mode SW Unit Replacement

Connector (A)	P22
P.C.Board (A)	MECHA I/F

Click this button , then go to item “2-14. Mode SW Unit Replacement ” .

2-23. A/C Head Replacement & Adjustment

Connector (A)	P4001	Connector (B)	P30
P.C.Board (A)	RF/CUE	P.C.Board (B)	MECHA I/F

Click this button , then go to item “2-23. A/C Head Replacement & Adjustment” .

2-24. Cleaner Solenoid Replacement & Adjustment

Connector (A)	P48
P.C.Board (A)	MECHA I/F

Click this button , then go to item “2-24. Cleaner Solenoid Replacement & Adjustment” .

2-25. Distinction SW Unit Replacement (Studio VTR only)

Connector (A)	P17
P.C.Board (A)	MECHA I/F

Click this button , then go to item “2-25. Distinction SW Unit Replacement (Studio VTR only)” .

2-27. Reel Drive Motor Unit Replacement (Studio VTR only)

Connector (A)	P16
P.C.Board (A)	MECHA I/F

Click this button , then go to item “2-27. Reel Drive Motor Unit Replacement (Studio VTR only)” .

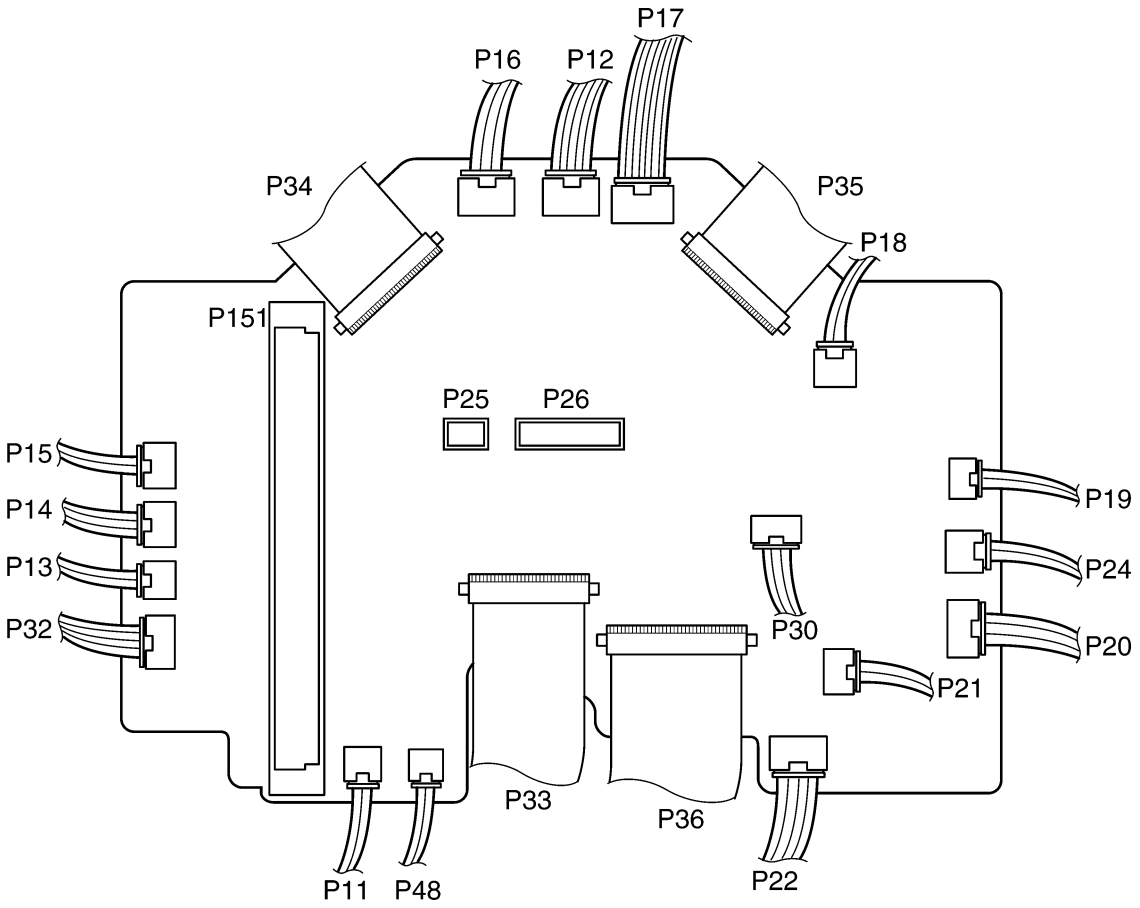
2-30. M-Stopper Solenoid Replacement & Adjustment (Studio VTR only)

Connector (A)	P24
P.C.Board (A)	MECHA I/F

Click this button , then go to item “2-30. M-Stopper Solenoid Replacement (Studio VTR only)” .

8. Connector Location

MECHA I/F P.C.Board



(COMPONENT SIDE)

Ref No.	Connection
P11	LED
P12	Reel Position Sensor
P13	Supply Photo Sensor
P14	DEW Sensor
P15	Supply Brake Solenoid
P16	Reel Drive Motor
P17	Distinction SW Unit
P18	Take-up Brake Solenoid
P19	Take-up Photo Sensor
P20	Pinch Solenoid
P21	Loading Motor
P22	MODE SW
P24	M-Stopper Solenoid
P25	Front Loading Motor
P26	Carrige
P30	CTL (AC Head)
P32	Supply Tension Sensor
P33	Cylinder Unit
P34	Supply Reel Rotor Unit
P35	Take up Reel Rotor Unit
P36	Capstan Unit
P48	Cleaner Solenoid
P151	SERVO Board

SECTION 4

ELECTRICAL ADJUSTMENT

CONTENTS

1. POWER SUPPLY UNIT ELE-1
   1-1. Power Supply Voltage Adjustment ELE-1

2. SERVO (F7) ELE-1
   2-1. SERVO FG Offset Adjustment ELE-1
   2-2. Reel Torque Gain Adjustment ELE-2
   2-3. Motor Torque Offset Adjustment ELE-2
   2-4. Tension Sensor Voltage Adjustment (1) ELE-3
   2-5. Tension Sensor Voltage Adjustment (2) ELE-3
   2-6. PG Shifter Adjustment ELE-4

3. RF/EQ (F8) ELE-5
   <Automatic Adjustment Procedure> ELE-5
   <Manual Adjustment Procedure> ELE-12
   3-1. Adjustment Data Initialization ELE-13
   3-2. VCO Center Frequency Value Reading ELE-13
   3-3. Envelope Level Adjustment ELE-14
   3-4. Phase Compensation Adjustment, Confirmation of Error Rate and AEQ Tap Coefficient Values Setting ELE-15
   3-5. REC Frequency Characteristic Setting, REC Current Adjustment, Confirmation of Error Rate ELE-18
   3-6. Storing Adjustment Data ELE-19

4. V OUT (F5) (For AJ-SD755P) ELE-20
   4-1. Connection ELE-20
   4-2. Reference PLL Center Frequency Adjustment ELE-21
   4-3. Reference CF Detection Adjustment ELE-21
   4-4. Composite Sync DC Level Adjustment ELE-22
   4-5. Composite Y Level Adjustment ELE-22
   4-6. Composite Frequency Characteristic Adjustment ELE-22
   4-7. Composite Y/C gain & Delay Adjustment ELE-23
   4-8. Composite SCH Adjustment ELE-23
   4-9. System Sub-Carrier Phase Adjustment ELE-23
   4-10. Component Sync DC Adjustment ELE-24
   4-11. Component Y Level Adjustment ELE-24
   4-12. Component Frequency Characteristic Adjustment ELE-24
   4-13. Component Pb Level Adjustment ELE-25
   4-14. Component Pr Level Adjustment ELE-25
   4-15. Component Y-Pb Timing Adjustment ELE-26
   4-16. Component Y-Pr Timing Adjustment ELE-26
   4-17. Component Pb Frequency Characteristic Adjustment ELE-27
   4-18. Component Pr Frequency Characteristic Adjustment ELE-27

4. V OUT (F5) (For AJ-SD755E/ D755MC) ELE-28
   4-1. Connection ELE-28
   4-2. Reference PLL Center Frequency Adjustment ELE-29
   4-3. Reference CF Detection Adjustment ELE-29
   4-4. Composite Sync DC Level Adjustment ELE-30

4-5. Composite Y Level Adjustment ELE-30
4-6. Composite Frequency Characteristic Adjustment ELE-30
4-7. Composite YC gain & Delay Adjustment ELE-31
4-8. Composite SCH Adjustment ELE-31
4-9. System Sub-Carrier Phase Adjustment ELE-31
4-10. Component Sync DC Adjustment ELE-32
4-11. Component Y Level Adjustment ELE-32
4-12. Component Frequency Characteristic Adjustment ELE-32
4-13. Component Pb Level Adjustment ELE-33
4-14. Component Pr Level Adjustment ELE-33
4-15. Component Y-Pb Timing Adjustment ELE-34
4-16. Component Y-Pr Timing Adjustment ELE-34
4-17. Component Pb Frequency Characteristic Adjustment ELE-35
4-18. Component Pr Frequency Characteristic Adjustment ELE-35

5. V IN (F2A) (For AJ-SD755P) ELE-36
5-1. Connection and Menu Setting ELE-37
5-2. PLL DC Adjustment ELE-37
5-3. Composite Color Demodulation Timing Adjustment ELE-38
5-4. Composite SCH Detection Adjustment ELE-38
5-5. Component Y signal level Adjustment ELE-39
5-6. Component Y Signal Offset level Adjustment ELE-39
5-7. Component Pb Signal Offset level Adjustment ELE-40
5-8. Component Pr signal Offset level Adjustment ELE-40
5-9. Component Pb signal Level Adjustment ELE-41
5-10. Component Pr Signal Level Adjustment ELE-41
5-11. Component Pb Signal Timing Adjustment ELE-42
5-12. Component Pr Signal Timing Adjustment ELE-42
5-13. Composite Y signal Level Adjustment ELE-43
5-14. Composite Y Signal Offset level Adjustment ELE-43
5-15. Composite Pb Signal Offset level Adjustment ELE-44
5-16. Composite Pr signal Offset level Adjustment ELE-44
5-17. Composite Pb signal Level Adjustment ELE-45
5-18. Composite Pr Signal Level Adjustment ELE-45
5-19. Composite Pb/Pr Signal Timing Adjustment ELE-46
5-20. Composite Video Out Phase Adjustment ELE-47
5-21. Composite Vector Adjustment ELE-47

5. V IN (F2A) (For AJ-SD755E/ D755MC) ELE-48
5-1. Connection and Menu Setting ELE-49
5-2. PLL DC Adjustment ELE-50
5-3. Composite Color Demodulation Timing Adjustment ELE-50
5-4. Composite SCH Detection Adjustment ELE-50
5-5. Component Y signal level Adjustment ELE-51
5-6. Component Y Signal Offset level Adjustment ELE-51
5-7. Component Pb Signal Offset level Adjustment ELE-52
5-8. Component Pr signal Offset level Adjustment ELE-52
5-9. Component Pb signal Level Adjustment ELE-53
5-10. Component Pr Signal Level Adjustment ELE-53
5-11. Component Pb Signal Timing Adjustment ELE-54
5-12. Component Pr Signal Timing Adjustment ELE-54
5-13. Composite Y signal Level Adjustment ELE-55
5-14. Composite Y Signal Offset level Adjustment ELE-55
5-15. Composite Pb Signal Offset level Adjustment ELE-56
5-16. Composite Pr signal Offset level Adjustment ELE-56
5-17. Composite Pb signal Level Adjustment ELE-57
5-18. Composite Pr Signal Level Adjustment ELE-57
5-19. Composite Pb/Pr Signal Timing Adjustment ELE-58
5-20. Composite Video Out Phase Adjustment ELE-59
5-21. Composite Vector Adjustment ELE-59

6. REC/PB (F4) ELE-60
6-1. Setting ELE-60
6-2. V-BLK TELETEXT OFFSET LEVEL Adjustment ELE-60
6-3. V-BLK TELETEXT LEVEL Adjustment ELE-60

7. AUDIO (F1) & RF/CUE ELE-61
7-1. Setting and VR Location ELE-61
7-2. CH1, CH2 Output Level Adjustment ELE-62
7-3. CH1, CH2 Input Level Adjustment ELE-62
7-4. REC VR Center Adjustment ELE-62
7-5. CUE BIAS CURRENT Adjustment ELE-63
7-6. CUE PB Level Adjustment ELE-63
7-7. CUE REC/PB Level Adjustment ELE-63
7-8. CUE Noise Cancel Adjustment ELE-64

8. TP, VR AND SW LOCATION ELE-65
8-1. F1:AUDIO P.C.BOARD (VEP84383C) ELE-65
8-2. F2A:V_IN P.C.BOARD (VEP83594B/A) ELE-66
8-3. F2B:A_PROC P.C.BOARD (VEP84384B) ELE-67
8-4. F4:REC PB P.C.BOARD (VEP83629E/D) ELE-68
8-5. F5:V_OUT P.C.BOARD (VEP83597E/D) ELE-70
8-6. F6:SYSCON P.C.BOARD (VEP86326J/H) ELE-71
8-7. F7:SERVO P.C.BOARD (VEP82246E) ELE-72
8-8. F8:RF/EQ P.C.BOARD (VEP85207B) ELE-73
8-9. RF/CUE P.C.BOARD (VEP85217A) ELE-74
8-10. MOTHER P.C.BOARD (VEP80C41A) ELE-75
8-11. FRONT P.C.BOARD (VEP86337C) ELE-75
8-12. AV JACK P.C.BOARD (VEP80C40C) ELE-75
8-13. POWER1 P.C.BOARD (VEP81221C) ELE-75
8-14. MECHA IF P.C.BOARD (VEP82239A) ELE-76
8-15. F3A:SDI P.C.BOARD (VEP83605B:AJ-YA755G)(OPTION) ELE-76

1. POWER SUPPLY UNIT

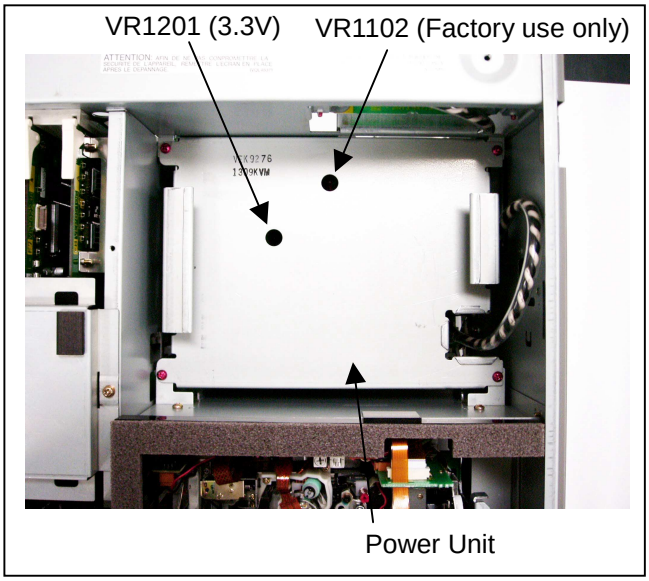
1-1. Power Supply Voltage Adjustment

BOARD	POWER UNIT
TP	TP6 (+5V) (on the extension board)
ADJ.	VR1201 (+3.3V)
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	Digital Voltmeter
SPEC.	+3.20V ± 0.05V

1. Extend the Syscon (F6) board with extension board.
2. Turn ON the power switch, and set to “EJECT” mode.
3. Connect Digital Voltmeter to TP6 on the extension board, and adjust VR1201 so that the DC voltage is in the specification.

<Note>

1. The VR1102 is for factory use only.
2. TP6 is described as “+5V” on the extension board (VFK1192). But this line is used for +3.2V in this model.



2. SERVO (F7)

2-1. SERVO FG Offset Adjustment

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	-----
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the “SET” button to open the SERVO ADJUST MENU.
3. Select the **A01 FG DC ADJ**, and Press the “Search” button continuously until “OK” sign is displayed on the right side of A01 FG DC ADJ. (It takes 5-10 seconds.) (During automatic adjustment, the reel motor and brake solenoid are moving.)
4. Close the menu.

<Note>

1. When “NG” sign is displayed or becoming the “AUTO OFF”, do not insert the tape. Check the mechanism condition and servo circuit.
2. When the parts of mechanism is disassembled and assembled, implement this adjustment before inserting a cassette tape.
3. When repairing or changing the mechanism (Capstan/Reel), Servo (F7) board, or Syscon (F6) board, implement this adjustment.

2-2. Reel Torque Gain Adjustment

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	Monitor TV
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the "SET" button to open the SERVO ADJUST MENU.
3. Select the **A02:RL GAIN ADJ** by using the "Search" dial.
4. Press the "Search" button continuously until the two kind of numeric value displayed on the right side of **RL GAIN ADJ** goes off one time. Release the "Search" button when the both two new numeric value has been updated. (It takes 5-6 seconds.)
5. Perform the Item 4 again. And confirm the numeric value is changed to new value.
6. Close the menu.

<Note>

1. Before "2-3. Motor Torque Offset Adjustment" is done, implement this adjustment.

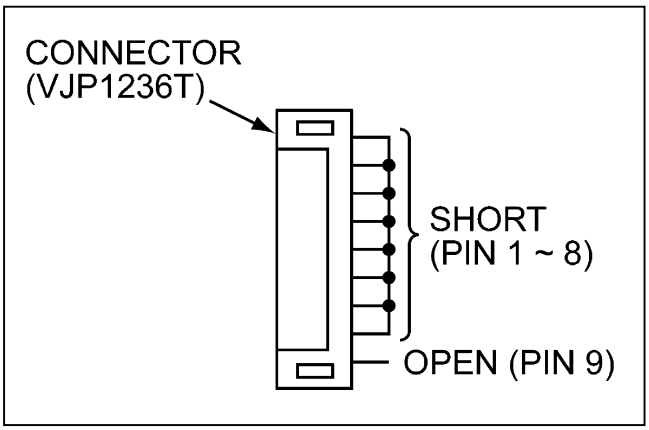
2-3. Motor Torque Offset Adjustment

BOARD	SERVO (F7)
TP	S,T REEL TABLE
ADJ.	SERVICE MENU
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	VFK1191A (Dial Torque Gauge) VFK1152 (Dial Torque Gauge Adaptor)
SPEC.	0.16 ± 0.01 cNm (15g-cm ± 1g-cm) (5 times average)

1. Remove the Front Loading Unit. (Refer to SEC2 Disassembly Procedures)
2. Connect the Carriage tool (see the following figure) to connector P1 which is coming from the MECH. I/F board to Carriage board of the front loading unit.
3. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
4. Select the **A00: SERVO ADJUSTS** and press the "SET" button to open the Servo Adjust menu.
5. Select the **A03: T TORQUE**.
6. Set a Dial Torque Gauge to top of Take-up Reel Table.
7. Press the "Search" button and measure the value of Dial Torque Gauge 5 times, then calculate the average and adjust "T TORQUE" with "Menu" so that the average is in the specification.

Note: While pressing the "Search" button, the REEL Table is rotated.

8. Select the item **A04: S TORQUE**.
9. Set a Dial Torque Gauge to top of Supply Reel Table.
10. Press the "Search" button and measure the value of Dial Torque Gauge 5 times, then calculate the average and adjust "S TORQUE" with "Menu" so that the average is in the specification.
11. Close the Menu.
12. Turn the Power switch to OFF.
13. Disconnect the carriage tool.
14. Install the Front Loading unit.



2-4. Tension Sensor Voltage Adjustment (1)

BOARD	SERVO (F7)
SPEC.	2.5V ± 0.05V
TP	TP201 (F-2)
ADJ.	VR1 (OFFSET) on the Mech. I/F board
MODE	EJECT
TOOL	Digital voltmeter

1. Connect the Digital voltmeter to TP201.
2. Adjust the VR1 on the Mech. I/F board so that the DC voltage is in the specification.

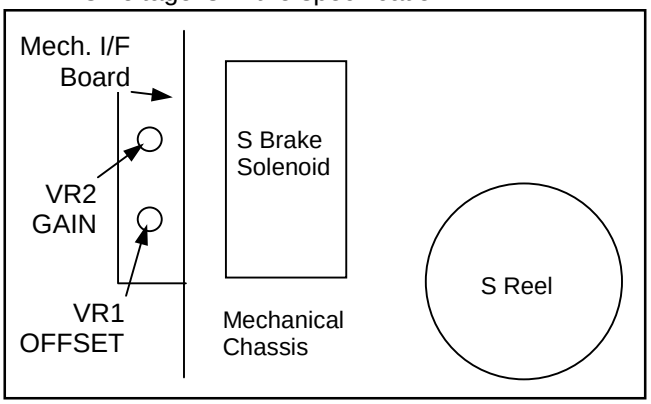


Figure 2-4-1

2-5. Tension Sensor Voltage Adjustment (2)

BOARD	SERVO (F7)
SPEC.	Neutral position : 2.5V ± 0.1V PLAY position : 3.8V ± 0.05V
TP	TP201 (F-2)
ADJ.	Sensor Position, VR2 (GAIN)
MODE	EJECT
TOOL	Digital voltmeter, VFK1208 (Neutral Position Tool, Black with hole) VFK1156 (PLAY Position Tool, Black)

NOTE:
Do not use magnetized tweezers and screwdriver.
Do not touch the magnetize screwdriver to S-Reel FG magnet portion, while adjusting the lever (D) portion.

<Preparation> (See Figure 2-5-1)
1. Loosen the 2 screws and remove the Carriage Support Panel on the Front Loading Unit.
2. Disconnect the connector P3 on the Carriage Board of the Front Loading Unit.
3. Unscrew the 6 screws and remove the Top Plate on the Front Loading Unit as shown in figure 2-5-1.
4. Connect the Flexible cable to P3 on the Carriage Board of Front Loading Unit.

<Adjustment Procedure>
1. Open the SERVICE MENU.
2. Select the **A00: SERVO ADJUST** and press the "SET" button to open the SERVO ADJUST MENU.
3. Select the **A09 TENSION**.
4. Install the VFK1208 (black with hole) as shown in figure.
5. Connect the Digital voltmeter to TP201.
6. Rotate Search dial clockwise pushing Search button so that the mechanism shift to Loading mode. ("on" mark is displayed on **A09 : TENSION**)
7. Confirm the DC voltage at TP201 is 2.5V ± 0.1V (Neutral position). If it is not, adjust the sensor position as follows.
   Loosen the screw (A) and move the lever (D) with tweezers. After adjusting, rotate SEARCH dial counter clockwise pushing Search button to set the unloading position.
8. Remove the VFK1208 (black with hole), and install the VFK1156 (Black) as same way as VFK1208.
9. Rotate SEARCH dial clockwise pushing Search buttom so that the mechanism shift to Loading mode. ("on" mark is displayed on **A09 : TENSION**)
10. Adjust the VR2 (GAIN) on the Mech. I/F board so that the DC voltage at TP201 is 3.8V ± 0.05V (PLAY position).
11. Close the Menu.

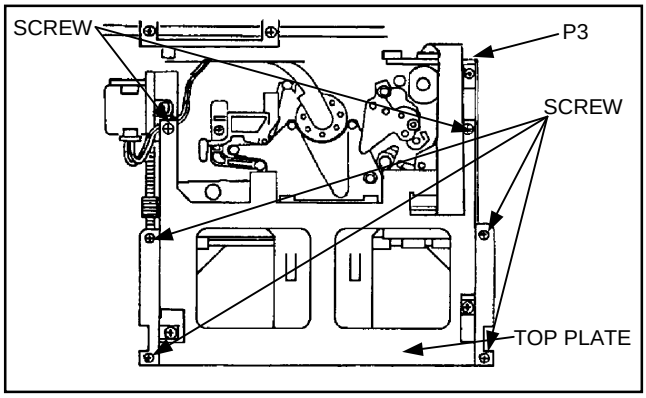


Figure 2-5-1

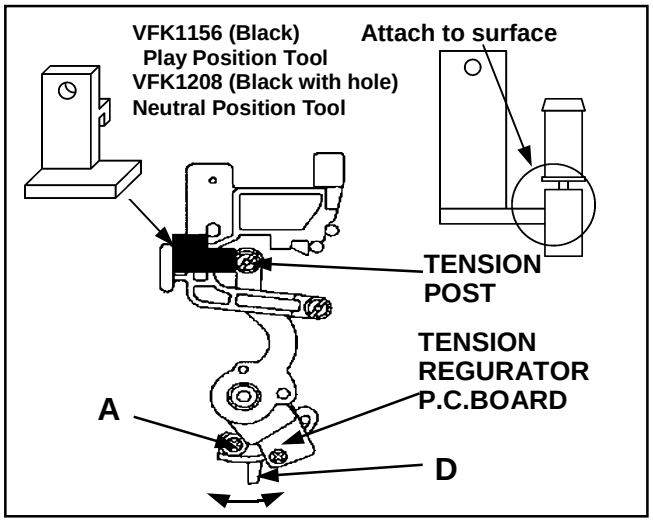


Figure 2-5-2

2-6. PG Shifter Adjustment

BOARD	SERVO (F7)
TP	-----
ADJ.	Service Menu
TAPE	NTSC : VFM3580KM/KL PAL : VFM3680KM/KL
INPUT	-----
MODE	Playback
M. EQ	-----
SPEC.	-----

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **A00: SERVO ADJUST** and press the "SET" button to open the SERVO ADJUST MENU.
3. Select the **A06 PG SHIFT 25**.
4. Playback the color bar portion of the 25M alignment tape.
5. Press the "Search" button continuously until the numeric value displayed on the right side of PG shift 25 goes off one time. Release the "Search" button when the new numeric value has been updated.
6. Close the menu.

3. RF/EQ (F8)

<Automatic Adjustment Procedure>

(Software)

This software is for Automatic RF Adjustment of DVCPRO25M Studio VTR, AJ-SD755 and AJ-D755.

< Function >

1) RF Adjustment (DVCPRO25M: Rec. and Play, DV: Rec. Play)
2) Checking of Error Rate
3) Download and Upload of EVR Data
4) Saving/ Loading the data of Error Rate and EVR
5) Printing the data of Error Rate and EVR

(Before Installation)

* PC Condition

OS : Windows95/ 98/ 98SE/ ME/ 2000 or Over
Display : Over 256 color (if lower than 256 color, the color may have the distortion)

* How to get this software

Download **"Automatic RF Adjustment Software (VFK1892)"** from Jig software page on Global Service Web site.

* Installation Method

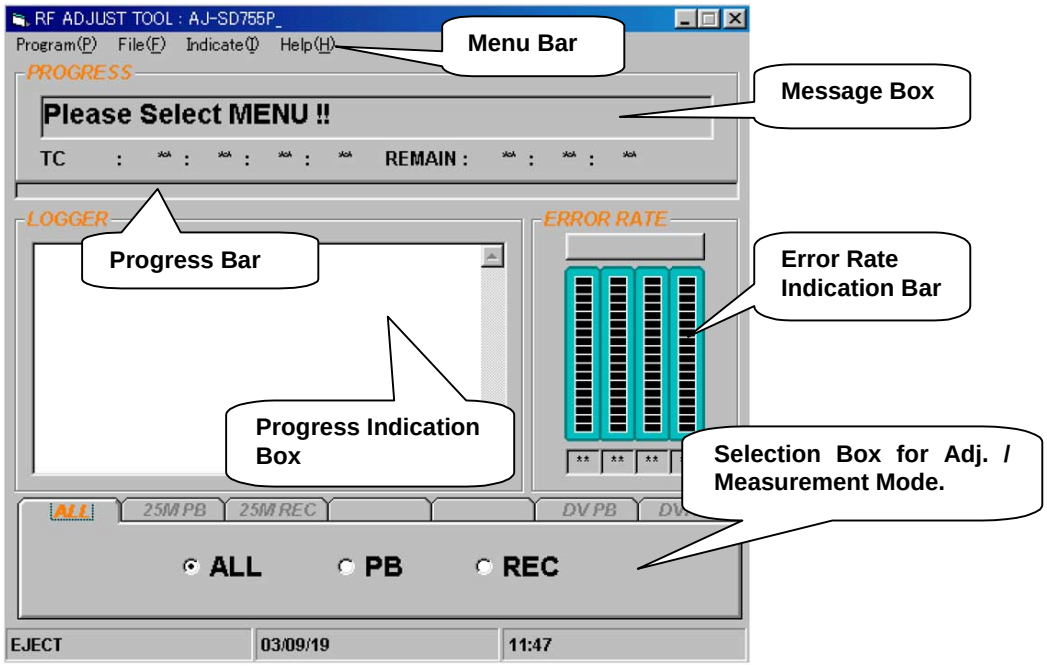
1) Extract the downloaded software.
2) Click **"setup.exe"**.
3) Follow the indication.

* Un-installation Method

Open **"Control Panel"** on Windows and use **"Add/Remove Programs"** to un-install this software.

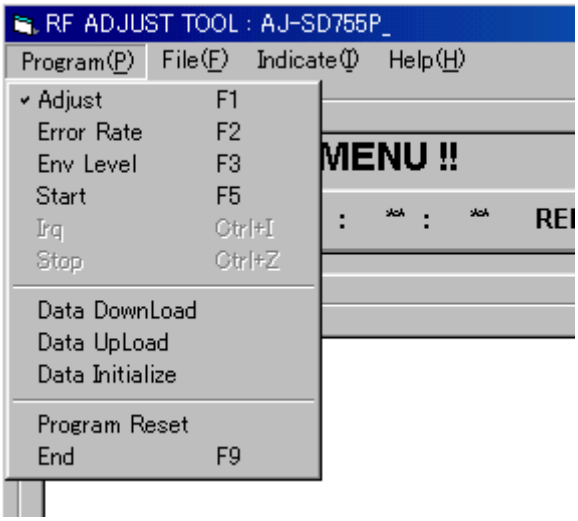
(Explanation of Each Windows)

a) Main Window



a-1) Explanation of Main window and menu bar.

1) Program Menu



[Adjust]
Adjustment program can be selected clicking this portion.

[Error Rate]
Error rate check can be selected clicking this portion.

[START]
Adjustment or Error rate checking can be started by clicking this portion.

[IRQ]
Break into the program during execution by clicking this portion. (It is effective, only on limited process.)

[STOP]
The program can be stopped, forcibly by clicking this portion.

[Data Download]
Receiving EVR data to PC from VTR connected (VTR to PC)

[Data Upload]
Transfer the RF adjustment data from PC to VTR for setting up. (PC to VTR)

* Data Upload can not be functioned unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is excuted.

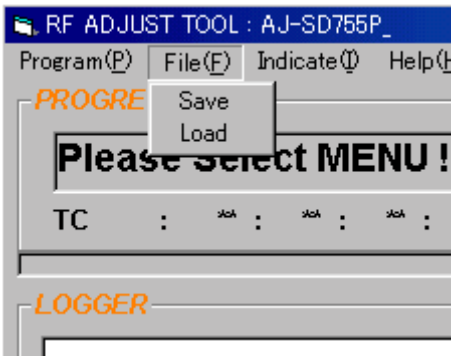
[Data Initialize (include Upload)]
Setting up the RF initial adjustment data into VTR connected.

[Program Reset]
All part of application program can be reset.

[END]
By clicking this portion, application software can be closed.

2) File menu

By clicking this, error rate data and EVR data can be processed as a file.



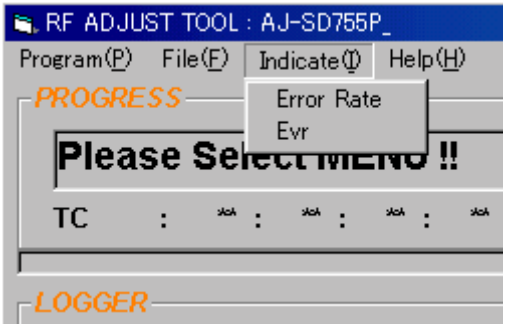
[Save]
Error rate and/or EVR data can be saved on the file.
During this mode, following file can be made. ***.dst

* This item can not be functioned unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is excuted.

[Load]
Error rate and/ or EVR data can be loaded from the file (***.dst).

3) Indicate Menu

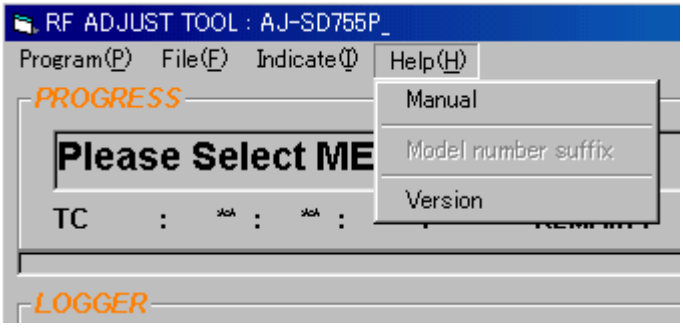
This is the menu which indicate ErrorRate/ EVR (Adjustment value)



[Error Rate]
Error rate data can be displayed.

[EVR]
EVR data can be displayed.

4) Help Menu



[Manual]
This software doesn't use this function.

[Version]
Software version is displayed.

a-2) Adjustment/ Measurement item selection BOX

1) Selection of Adjustment/ Measurement category



[ALL]
All items are selected.

[PB]
Playback category is selected. 25M PB or DV PB can be individually selected.

[REC]
Recording category is selected. 25M REC or DV REC can be individually selected.

2) Selection of Playback category

Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)





3) Selection of Recording Category

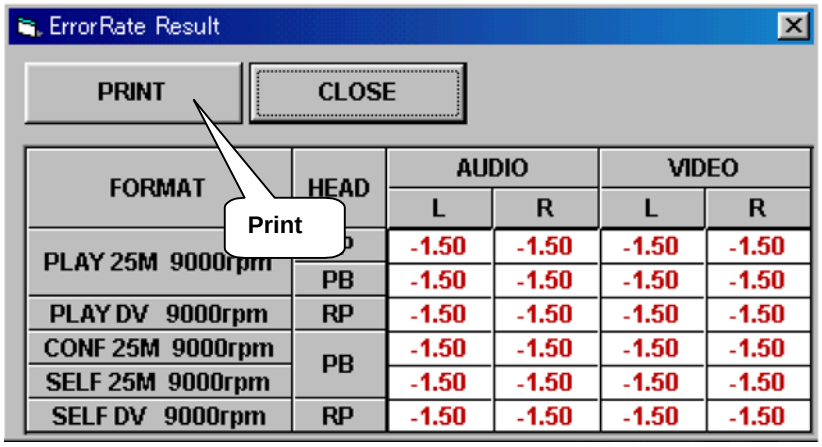
Select each item according to the one which the adjustment (measurement) is required.
Check mark on the BOX shows that its item is selected (valid)





b) The result of error rate

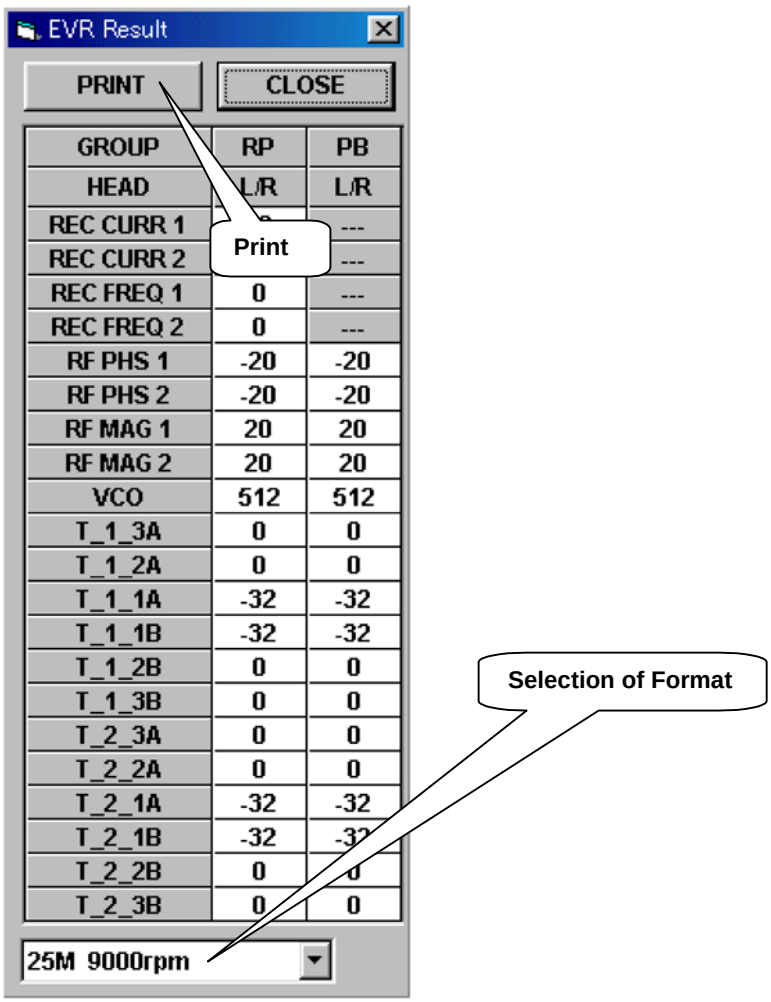
The error rate data can be displayed and printed.



FORMAT	HEAD	AUDIO		VIDEO	
		L	R	L	R
PLAY 25M 9000rpm	PB	-1.50	-1.50	-1.50	-1.50
PLAY DV 9000rpm	RP	-1.50	-1.50	-1.50	-1.50
CONF 25M 9000rpm	PB	-1.50	-1.50	-1.50	-1.50
SELF 25M 9000rpm		-1.50	-1.50	-1.50	-1.50
SELF DV 9000rpm	RP	-1.50	-1.50	-1.50	-1.50

c) EVR value Chart

The EVR value (adjustment data) can be displayed and printed.



GROUP	RP	PB
HEAD	L/R	L/R
REC CURR 1		---
REC CURR 2		---
REC FREQ 1	0	---
REC FREQ 2	0	---
RF PHS 1	-20	-20
RF PHS 2	-20	-20
RF MAG 1	20	20
RF MAG 2	20	20
VCO	512	512
T_1_3A	0	0
T_1_2A	0	0
T_1_1A	-32	-32
T_1_1B	-32	-32
T_1_2B	0	0
T_1_3B	0	0
T_2_3A	0	0
T_2_2A	0	0
T_2_1A	-32	-32
T_2_1B	-32	-32
T_2_2B	0	0
T_2_3B	0	0

(Auto EQ Adjustment Procedure)

A) Preparation

1) Connect the VTR with PC by RS232C cable (Cross cable) as below.

Connect the VTR with personal computer by RS232C cable (Cross cable) as below.

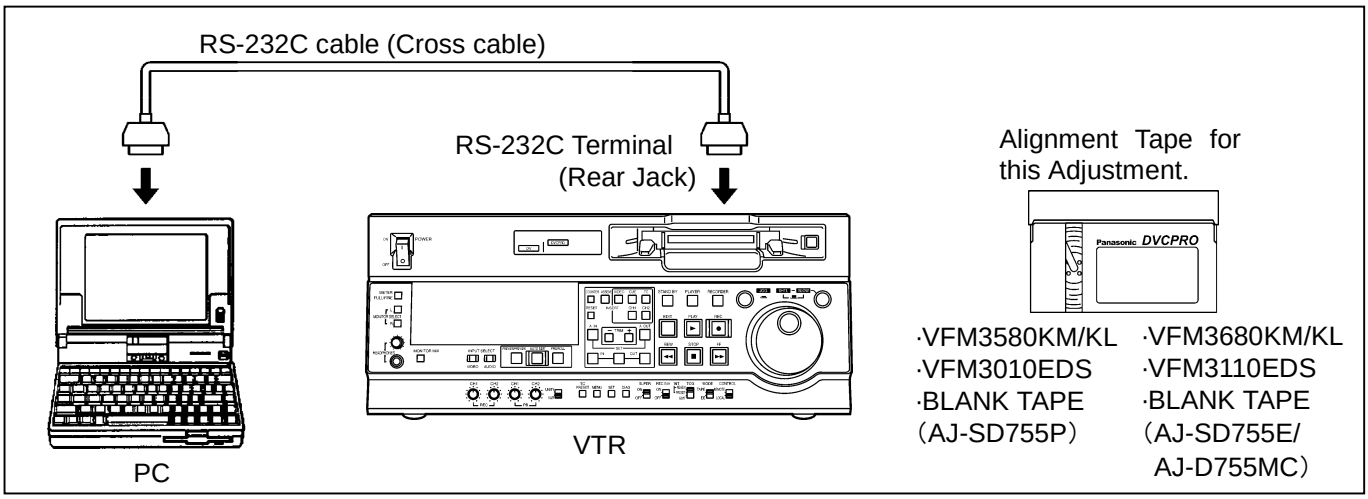
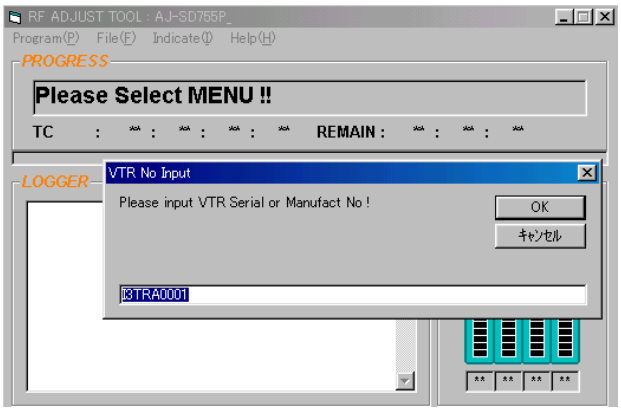


Figure A

2) Turn the VTR power on.
3) Press the menu button to open the set-up menu.
4) Select 204 RS232C SEL and set it to **"ON"**.
5) Set the LOCAL/ REMOTE SW to **"ON"**.

B) Excution of Software Application.

1) Confirm that the VTR power is on.
2) Select start → Program → Panasonic Tool → D755Rf in the Start menu program in PC.
3) Main screen of the application software appears.
4) Open the program menu and select as follows;
   Adjustment: Select **"Program → Adjust"**.
   Measurement: Select **"Program → Error Rate"**.
5) Select the item needed about adjustment & measurement from. Adjustment/ Measurement item selection BOX (refer to (a-2)).
6) Select **"Program → Start"**
7) Serial no is displayed. Press "OK" button. (The information on this window can be changed and added.)



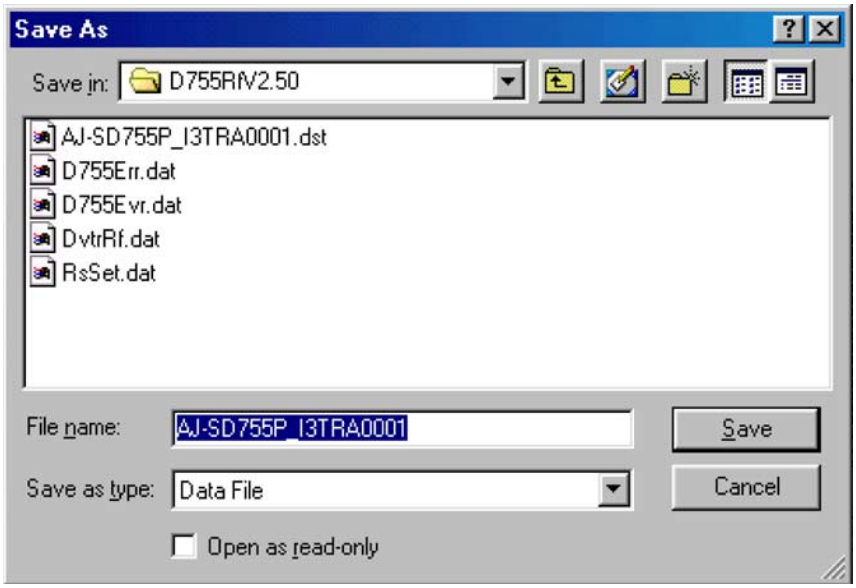
8) Follow the indication on the message box. Then adjustment is started automatically.
9) Error result is displayed after excuting the adjustment program. Press close button after confirming it.
10) Select **"File → Save"** in order to save the Error rate data & EVR data to PC. If it is n
11) ot needed to save them, skip this process.

(Caution)

This item can not be functioned unless **"Data Download"**, **"Load on File menu"** or **all adjustment program** is excuted.

12) The screen of item (7) appears again. Press **"OK"** button if serial data information is not needed to change.

13) Following screen appears. Press **"SAVE"** button.



(Reference)

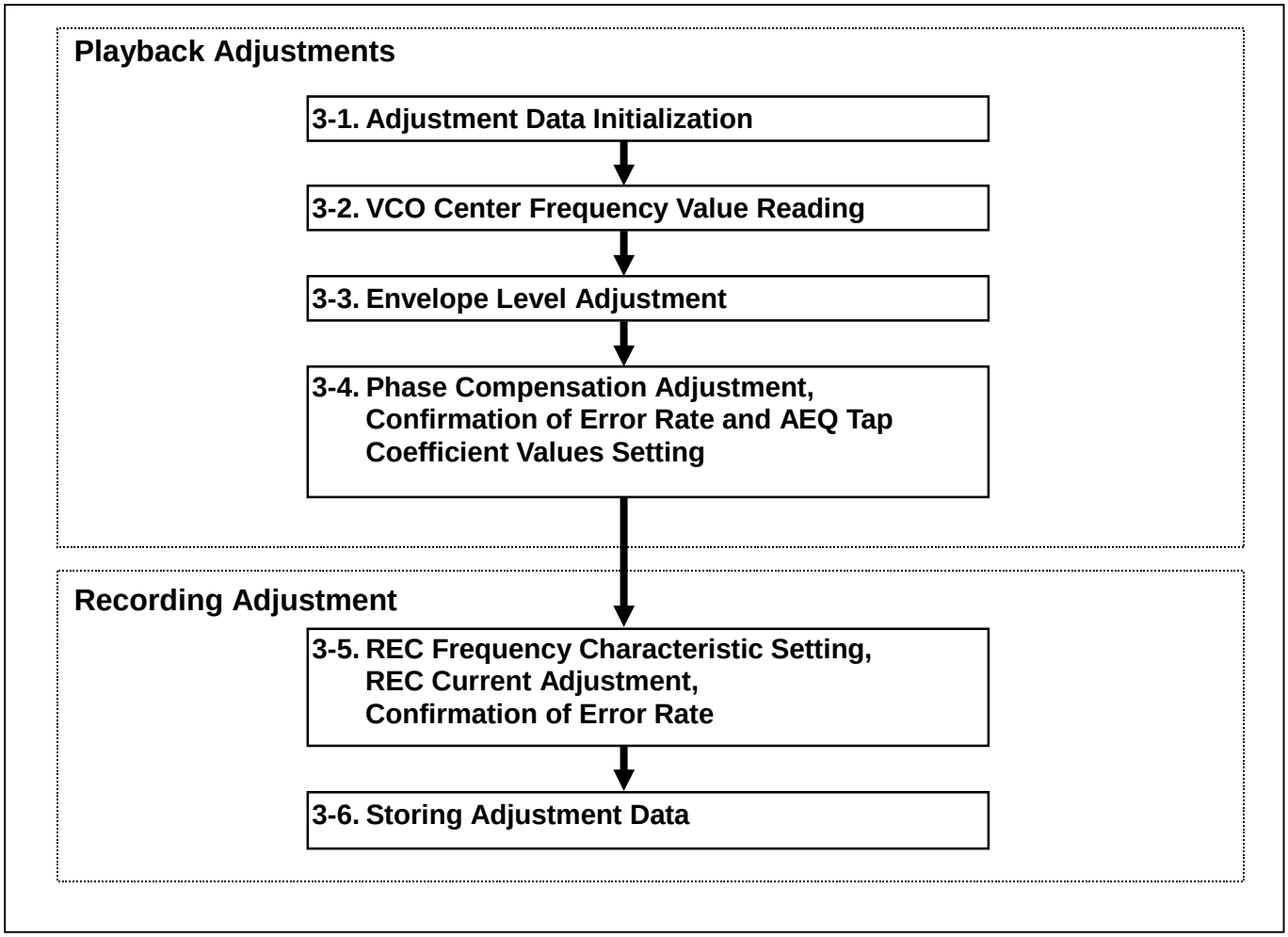
1) Storing the adjustment data by manual is not necessary because the adjustment data is automatically stored in the memory after finishing the Automatic Equalizer adjustment.
2) Select **"Program STOP"** if the program needs to be stopped.
3) Remaining time of the tape is monitored by this program. VTR automatically rewind the tape when the Tape remaining time isn't enough for adjustment or measurement. (Select **"Program → IRQ"** if need to stop REW mode.)

<Manual Adjustment Procedure>

The adjustment of this section is performed after adjusting the SERVO Board (F7).
Perform the initial setting before performing the adjustments of this section.

This adjustment mainly uses the Service Menu. The procedures for opening the menu, changing the settings and closing the menu are described in the Service Information (INF-34).

Perform the adjustments of these items according to the following flowchart.



3-1. Adjustment Data Initialization

Initialize the adjustment values for the following items before starting the adjustment. (It may not be possible to obtain the best values if the adjustment is performed without the initialized values.)

1. Insert the DVCPRO color bar alignment tape.
2. Open the Service Menu.
3. Open **"B00: RF ADJUST"** in the Service Menu.
4. Open **"Q00: DVCPRO 25M ADJUST"** in the Service Menu.
5. Open **"Q-4 DEFAULT"** in the Service Menu.
6. Select **"INIT LOAD"** and press the SET button to complete the initialization of the 25M mode adjustment values.
7. Press the MENU button to return to the RF ADJUST menu.
8. Open **"R00: DV ADJUST"** in the Service Menu.
9. Open **"R-4 DEFAULT"** in the Service Menu.
10. Select **"INIT LOAD"** and press the SET button to complete the initialization of the DV mode adjustment values.

3-2. VCO Center Frequency Value Reading

BOARD	RF/EQ (F8)
TP	-----
ADJ.	Service Menu
TAPE	-----
INPUT	-----
MODE	EJECT
M. EQ	-----
SPEC.	-----

<DVCPRO 25M ADJUST (PB)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
3. Open **Q-2: PB ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **Q27: VCO** adjustment value is automatically set. (Confirm that the **Q27: VCO** adjustment value is changed from default value)
7. Change the setting of **Q53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DVCPRO 25M ADJUST (RP)>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
3. Open **Q-3: RP ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **Q27: VCO** adjustment value is automatically set. (Confirm that the **Q27: VCO** adjustment value is changed from default value)
7. Change the setting of **Q53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<DV ADJUST>

1. Open **B00: RF ADJUST** in the Service Menu.
2. Open **R00: DV ADJUST** in the Service Menu.
3. Open **R-3: RP ADJUST** in the Service Menu.
4. Place the unit to Eject condition.
5. Select **R53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
6. Press the SET button so that **R27: VCO** adjustment value is automatically set. (Confirm that the **R27: VCO** adjustment value is changed from default value)
7. Change the setting of **R53: IC READ** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

3-3. Envelope Level Adjustment

BOARD	RF/EQ (F8)
TP	TP5101 (EQ ENV) TP5702 (PBL HSW) TP6702 (RPL HSW)
ADJ.	Service Menu
TAPE	NTSC : VFM3580KM(L)/ VFM3010EMS PAL : VFM3680KM(L)/ VFM3110EMS Alignment Tape (Colour Bar)
INPUT	Internal SG (Color bar)
MODE	PLAY
M. EQ	Oscilloscope
SPEC.	A= 0.85VDC ± 0.05VDC (refer to figure 3-3-1)

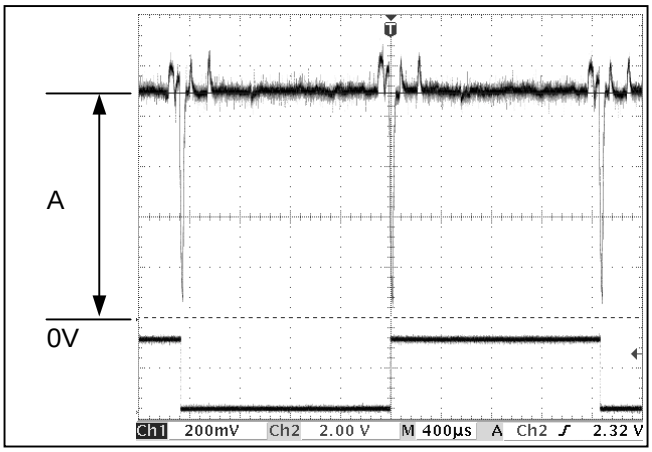


Figure.3-3-1

<<DVCPRO25 RF Envelope level Adjustment>>

1. Playback DVCPRO alignment tape.
2. Open **B00: RF ADJUST** in the Service Menu.
3. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
4. Open the **Q-2: PB ADJUST** in the Service Menu.

<DVCPRO 25M PB Envelope Adjustment>

5. Confirm that **Q66: MONI KINDSEL** is selected to ENV.
6. Set the **Q67: MONI CHSEL** to **PB**.
7. Adjust **Q03: MAG L, Q04: MAG R** so that RF envelope level on TP5101 meet the SPEC. (A=0.85VDC ± 0.05VDC: refer to figure 3-3-1.)
8. Press menu button after pressing set button.

<DVCPRO 25M RP Envelope Adjustment>

9. Open **Q-3 RP ADJUST** in the Service menu.
10. Confirm that **Q66: MONI KINDSEL** is selected to ENV.
11. Set the **Q67: MONI CHSEL** to **RP**.
12. Adjust **Q03: MAG L, Q04: MAG R** so that RF envelope level on TP5101 meet the SPEC. (A=0.85VDC ± 0.05VDC: refer to figure 3-3-1.)
13. Press menu button twice after pressing set button.

<<DV RF Envelope level Adjustment>>

1. Playback DV alignment tape.
2. Open **B00: RF ADJUST** in the Service Menu.
3. Open **R00: DV ADJUST** in the Service Menu.
4. Open the **R-3: RP ADJUST** in the Service Menu.

<DV RP Envelope Adjustment>

5. Confirm that **R66: MONI KINDSEL** is selected to ENV.
6. Set the **R67: MONI CHSEL** to **RP**.
7. Adjust **R03:MAG L, R04:MAG R** so that RF envelope level on TP5101 meet the SPEC. (A=0.85VDC ± 0.05VDC: refer to figure 3-3-1.)
8. Press menu button 4 times after pressing set button.

3-4. Phase Compensation Adjustment, Confirmation of Error Rate and AEQ Tap Coefficient Values Setting

BOARD	RF/EQ (F8)
TP	-----
ADJ.	Service Menu
TAPE	① Alignment Tape (Colour Bar) NTSC : VFM3580KM(L)/ VFM3010EMS PAL : VFM3680KM(L)/ VFM3110EMS ② Blank Tape
INPUT	-----
M. EQ	-----
SPEC.	Under the A position at level meter (refer to page ELE-17)

<<DVCPRO 25M ADJUST(PB)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **Q00 DVCPRO25M ADJUST** in the Service Menu.
3. Open **Q-2 PB ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **Q60: VITERBI MODE** to off.
3. Set the **Q62: AEQ MODE** to off.
4. Set the **Q70: ERROR MODE** to **FAST**.
5. Set the **Q73: ATF HEAD** to **PB**.
6. Adjust **Q01: PHS L** and **Q02: PHS R** so that the video error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value
= Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **Q60: VITERBI MODE** to **AUTO**.
2. Set the **Q62: AEQ MODE** to **ON**.
3. Set the **Q70: ERROR MODE** to **SLOW**.
4. Set the **Q73: ATFHEAD** to **PB**.
5. Confirm that Error rate of Video & Audio meets the SPEC..(Refer to page ELE-17.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **Q60: VITERBI MODE** is set to AUTO.
2. Confirm that the **Q62: AEQ MODE** is set to ON.
3. Confirm that the **Q67: MONICHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of Q29-40 is automatically set. (Confirm that the the value of Q29-40 is changed from default value)
6. Change the setting of **Q53: ICREAD** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DVCPRO25M ADJUST(RP)>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **Q00 DVCPRO25M ADJUST** in the Service Menu.
3. Open **Q-3 RP ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DVCPRO Alignment Tape.
2. Set the **Q60: VITERBI MODE** to off.
3. Set the **Q62: AEQ MODE** to off.
4. Set the **Q70: ERROR MODE** to **FAST**.
5. Set the **Q73: ATF HEAD** to **PB**.
6. Adjust **Q01: PHS L** and **Q02: PHS R** so that the video error rate is at the minimum level.
7. Press the SET button.

(Reference)

Increase the adjustment value until error rate becomes worst, then decrease it to make the error better. Error rate becomes better as the value is decreased, but it can not be improved after passing a certain point (point A). Find this point (adjustment value) and set the adjustment value to following value.

Final adjustment value
= Adjustment value at point A - 10

<Confirmation of error rate>

1. Set the **Q60: VITERBI MODE** to **AUTO**.
2. Set the **Q62: AEQ MODE** to **ON**.
3. Set the **Q70: ERROR MODE** to **SLOW**.
4. Set the **Q73: ATFHEAD** to **RP**.
5. Confirm that Error rate of Video & Audio meets the SPEC. (Refer to page ELE-17.)
6. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **Q60: VITERBI MODE** is set to AUTO.
2. Confirm that the **Q62: AEQ MODE** is set to ON.
3. Confirm that the **Q67: MONICHSEL** is set to OFF AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **Q53: IC READ** and change the setting from **"OFF"** to **"SINGLE"**.
5. Press the SET button so that the value of Q29-40 is automatically set. (Confirm that the value of Q29-40 is changed from default value)
6. Change the setting of **Q53: ICREAD** from **"SINGLE"** to **"OFF"** and press the **"SET"** button.

<<DV ADJUST>>

1. Open **B00 RF ADJUST** in the Service Menu.
2. Open **R00 DV ADJUST** in the Service Menu.
3. Open **R-3 RP ADJUST** in the Service Menu.

<Phase Compensation Adjustment>

1. Playback the DV Color bar Master Alignment Tape.
2. Set the **R60: VITERBI MODE** to off.
3. Set the **R62: AEQ MODE** to off.
4. Set the **R70: ERROR MODE** to **FAST**.
5. Set the **R73: ATF HEAD** to **RP**.
6. Adjust **R01: PHS L** and **R02: PHS R** so that the video error rate is at the minimum level.
7. Press the SET button.

(Reference)

In case error rate is difficult to check because LED light on more than 15pcs, set the **R60: VITERBI MODE** to AUTO to adjust it.

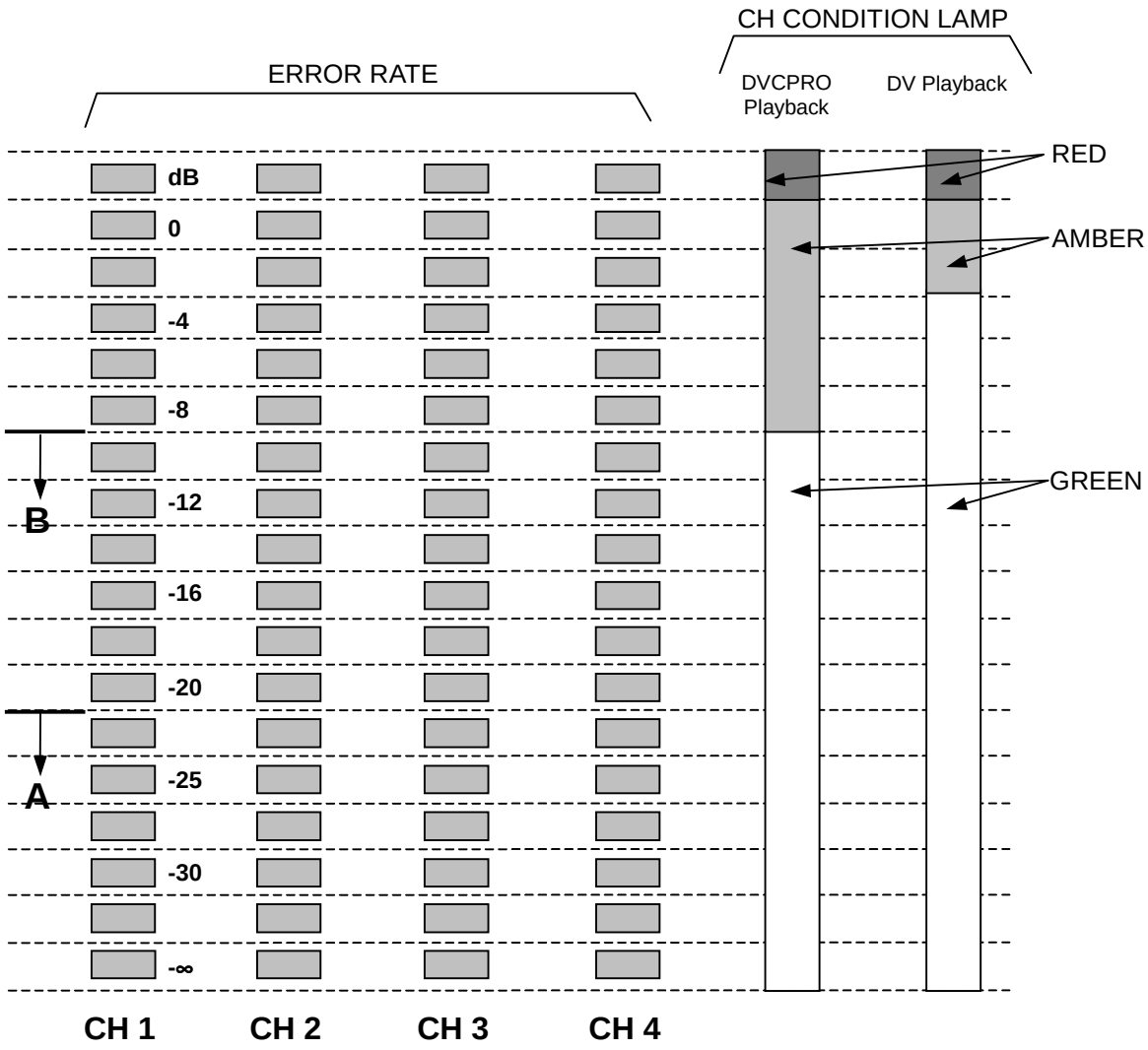
<Confirmation of error rate>

1. Set the **R60: VITERBI MODE** to **AUTO**.
2. Set the **R62: AEQ MODE** to **ON**.
3. Set the **R70: ERROR MODE** to **SLOW**.
4. Confirm that Error rate of Video & Audio meets the SPEC..(Refer to page ELE-17.)
5. If it is out of SPEC., adjust the error rate again.

<AEQ Tap Coefficient Setting>

1. Confirm that the **R60: VITERBI MODE** is set to AUTO.
2. Confirm that the **R62: AEQ MODE** is set to ON.
3. Set the **R67: MONICHSEL** is set to OFF. AEQ Tape Coefficient Setting can not be excuted if this menu is not set to OFF.
4. Select **R53: IC READ** and change the setting from **“OFF”** to **“SINGLE”**.
5. Press the SET button so that the value of R29-40 is automatically set. (Confirm that the value of R29-40 is changed from default value)
6. Change the setting of **R53: IC READ** from **“SINGLE”** to **“OFF”** and press the **“SET”** button.

Specification of Error Rate



DVCPRO25

ATF HEAD	CH 1	CH 2	CH 3	CH 4
PB	PBL AUDIO	PBR AUDIO	PBL VIDEO	PBR VIDEO
RP	RPL AUDIO	RPR AUDIO	RPL VIDEO	RPR VIDEO

DV

ATF HEAD	CH 1	CH 2	CH 3	CH 4
RP	RPL AUDIO	RPR AUDIO	RPL VIDEO	RPR VIDEO

Specification of Error Rate

	VTR mode	Specification of Error Rate
DVCPRO (PB)	DVCPRO (PB Head) alignment tape playback	Under the “A” position at level meter
DV (R/P)	DV (RP Head) Alignment tape playback	Under the “A” position at level meter
DVCPRO (Confi)	DVCPRO confidence playback (REC mode)	Under the “B” position at level meter

3-5. REC Frequency Characteristic Setting, REC Current Adjustment, Confirmation of Error Rate

1. There are 4 pcs of adjustment point for Recording Current.
   Each adjustment menu and TP for the adjustment is described in Chart 3-5-1.

Adjustment item	Input	Menu		Spectrum Analyzer		
				TP	EXT TRG	Setting
25M L Rec Current	INTERNAL COLOR BAR	B00:RF ADJUST Q00:DVCPRO 25M ADJUST Q-1:REC ADJUST	Q01: RECCURR L	TP5301 EQ2RF	TP5702 HSWEQ2	REG1 REG3
25M R Rec Current			Q02: RECCURR R			
DV L Rec Current	INTERNAL COLOR BAR	B00:RF ADJUST R00:DV ADJUST R-1: REC ADJUST	R01: RECCURR L			
DV R Rec Current			R02: RECCURR R			

Chart 3-5-1

2. Following are the setting for the Spectrum analyzer.

	REG1
RES BW	1MHz
VIDEO BW	3KHz
SWEEP TIME	20msec
ATTEN	10dB
CENTER FREQ	4MHz
FREQ SPAN	0MHz
REF LEVEL	-20dB
SCALE dB/DIV	5dB
TRIGGER	EXT

Chart 3-5-2

	REG3
RES BW	1MHz
VIDEO BW	3KHz
SWEEP TIME	200msec
ATTEN	10dB
CENTER FREQ	0Hz
FREQ SPAN	40MHz
REF LEVEL	-20dB
SCALE dB/DIV	5dB
TRIGGER	EXT

Chart 3-5-3

*50Ω coaxial cable should be connected to INPUT terminal of Spectrum Analyzer.

3. All adjustment should be done with following mode.
   Q60R60 VITERBI: AUTO
   Q62R62: AEQ MODE : ON

<Adjustment for DVCPRO25 mode>

1. Set the Spectrum analyzer to REG1.(refer to Chart 3-5-2)
2. Set the Service menu to DVCPRO25 REC ADJUST menu.
3. Execute following adjustment for each head. (L, R)
4. Set the value of REC CURR to “100”.
5. Insert the blank tape and place the unit to recording mode.
6. Save the confidencial playback spectrum to Trace B.
7. Decrease the value of RECCURR so that the confidencial playback spectrum meets the following SPEC. and memorize this menu value (Value A).
   The confidencial playback spectrum =TraceB - 5db ± 1db.
8. Add **“130”** to Value A. (This value will be the adjustment value of RECCURR.)
   ex) If the value A is **“-67”**, **“-67+130=63”** will be the adjustment value of RECCURR.
9. Press the SET button.
10. Execute R head of adjustment too. (Each head (L, R) should be adjusted)
11. Set the **Q70: ERROR MODE** to SLOW and confirm that Error rate at confidencial playback mode meets the SPEC.. (Refer to ELE-17)
12. Set the Spectrum analyzer to REG3. (refer to Chart 3-5-3)
13. Record approximately one minute and play it back.
14. Confirm that error rate at selfrecording playback mode meets the SPEC.. (Refer to page ELE-17)
15. Save the selfrecording playback spectrum to Trace B.
16. Playback the DVCPRO alignment tape and save the spectrum to Trace A.
17. Make sure that the difference of the each level at 4MHZ portion between selfrecording playback spectrum (Trace B) and playback spectrum (Trace A) meets the following SPEC..
    The difference of the each level : 0db ± 2db

<Adjustment for DV mode>

1. Set the Spectrum analyzer to REG1.(refer to Chart 3-5-2)
2. Set the Service menu to DV REC ADJUST menu.
3. Execute following adjustment for each head. (L, R)
4. Set the value of REC CURR to **"100"**.
5. Insert the blank tape and place the unit to recording mode.
6. Save the confidencial playback spectrum to Trace B.
7. Decrease the value of RECCURR so that the confidencial playback spectrum meets the following SPEC. and memorize this menu value (Value A).
   The confidencial playback spectrum =TraceB - 5db ± 1db.
8. Add **"130"** to Value A. (This value will be the adjustment value of RECCURR.)
   ex) If the value A is **"-67"**, **"-67+130=63"** will be the adjustment value of RECCURR.
9. Press the SET button.
10. Execute R head of adjustment too. (Each head (L, R) should be adjusted)
11. Set the **R70: ERROR MODE** to SLOW and confirm that Error rate at confidencial playback mode meets the SPEC.. (Refer to page ELE-17)
12. Set the Spectrum analyzer to REG3. (refer to Chart 3-5-3)
13. Record approximately one minute and play it back.
14. Confirm that error rate at selfrecording playback mode meets the SPEC.. (Refer to page ELE-17)
15. Save the selfrecording playback spectrum to Trace B.
16. Playback the DV alignment tape and save the spectrum to Trace A.
17. Make sure that the difference of the each level at 4MHZ portion between selfrecording playback spectrum (Trace B) and playback spectrum (Trace A) meets the following SPEC..
    The difference of the each level : 0db ± 2db

3-6. Storing Adjustment Data

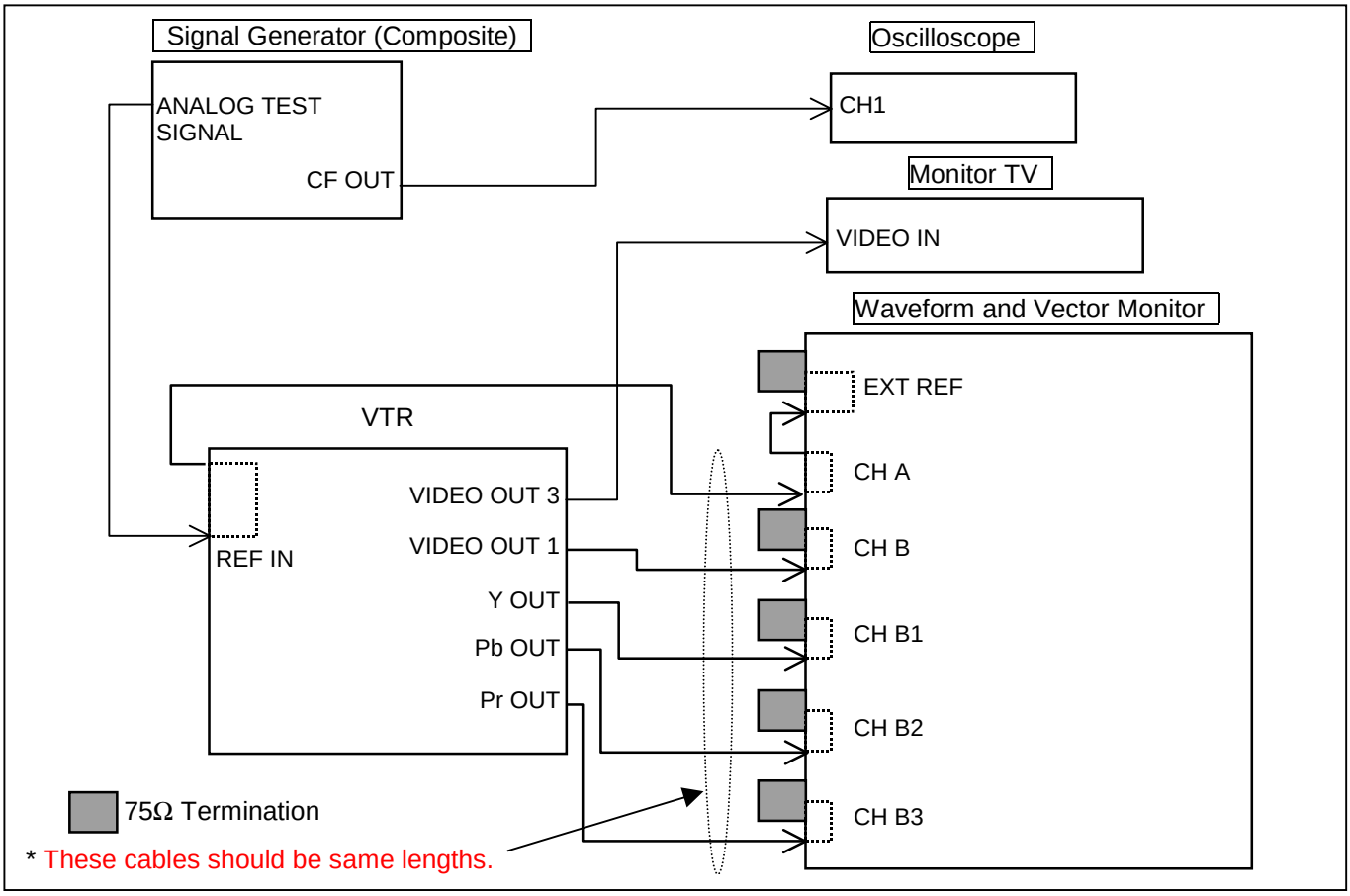
Store the adjustment values for the following items after the adjustment is completed.

1. Insert the DVCPRO color bar alignment tape.
2. Open the Service Menu.
3. Open **B00: RF ADJUST** in the Service Menu.
4. Open **Q00: DVCPRO 25M ADJUST** in the Service Menu.
5. Select **Q-4: DEFAULT** in the Service Menu.
6. Select **SAVE** and press the SET button to save the 25M mode adjustment values.
7. Press the MENU button to return to the RF ADJUST menu.
8. Open **R00: DV ADJUST** in the Service Menu.
9. Select **R-5: DEFAULT** in the Service Menu.
10. Select **SAVE** and press the SET button to save the DV mode adjustment values.

4. V OUT (F5) (For AJ-SD755P)

- 4-1. Connection
- 4-2. Reference PLL Center Frequency Adjustment
- 4-3. Reference CF Detection Adjustment
- 4-4. Composite Sync DC Level Adjustment
- 4-5. Composite Y Level Adjustment
- 4-6. Composite Frequency Chanacteristic Adjustment
- 4-7. Composite YC gain & Delay Adjustment
- 4-8. Composite SCH Adjustment
- 4-9. System Sub-Carrier Phase Adjustment
- 4-10. Component Sync DC Adjustment
- 4-11. Component Y Level Adjustment
- 4-12. Component Frequency Characteristic Adjustment
- 4-13. Component Pb Level Adjustment
- 4-14. Component Pr Level Adjustment
- 4-15. Component Y-Pb Timing Adjustment
- 4-16. Component Y-Pr Timing Adjustment
- 4-17. Component Pb Frequency Characteristic Adjustment
- 4-18. Component Pr Frequency Characteristic Adjustment

4-1. Connection



<Preparation>

1. Before starting this section, it needs aging more than 15 minutes.
2. Set menu setting of SYSTEM menu as follows. Before that, note the current setting, and after finishing all adjustment of this section, set to the original (current) setting.

00 WFM SEL	**:**	**0002**	**VIDEO**
10 ENCODER SEL	**:**	**0001**	**LOCAL**
11 SYS SC COAR.	**:**	**0000**	**0**
12 SYS SC FINE	**:**	**0128**	**0**
13 SYS H	**:**	**0128**	**0**
14 SCH COARSE	**:**	**0000**	**0**
15 SCH FINE	**:**	**0032**	**0**
16 AV PHASE	**:**	**0128**	**0**
18 SYS H OFFSET	**:**	**0003**	**0**
19 SYS SC/H	**:**	**0000**	**REMOTE**
22 VIDEO LEVEL	**:**	**0128**	**0**
23 SET UP LEVEL	**:**	**0128**	**0**
24 HUE	**:**	**0128**	**0**
25 CHROMA LEVEL	**:**	**0128**	**0**
30 MENU LOCK	**:**	**0000**	**OFF**

3. Set menu setting of SERVICE menu as follows.
   F00 VIDEO ADJUST
   F11 V SETUP : ON
4. Set menu setting of SETUP menu as follows.
   614 PB/PR OUT LV : B-CAM
   622 SETUP 25
   00 CMPST IN : THRU
   01 CMPST OUT : THRU
   02 CMPNT IN : THRU
   03 CMPNT OUT : THRU

4-2. Reference PLL Center Frequency Adjustment

BOARD	V OUT (F5)
TP	TP153 (VCO)[F-2]
ADJ.	VC701 (FREQ ADJ M)[E-2]
TAPE	-----
INPUT	Internal SG (CB100)
MODE	-----
M. EQ	Frequency Counter
SPEC.	14.318180MHz ±10Hz

1. Disconnect the REF IN terminal. (No reference signal)
2. Connect the frequency counter to TP153.
3. Adjust VC701 so that the frequency at the TP153 is in the specification.

<Note>

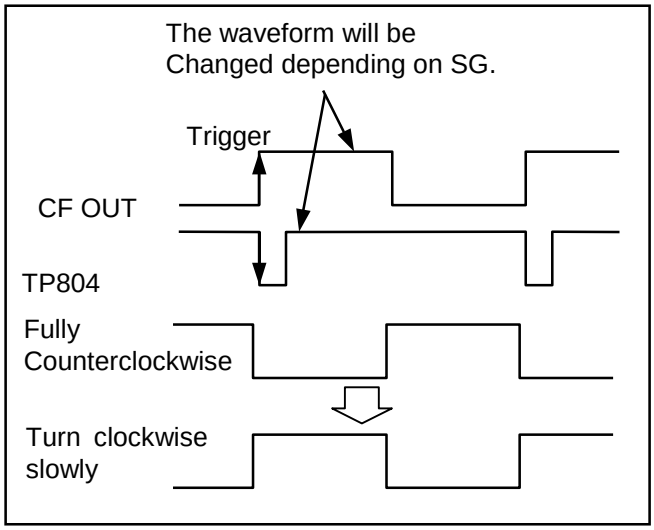
When the hand and so on approach too much near VC701 in adjustment, the DC voltage sometimes shifts.

After finishing this adjustment, connect REF IN terminal again for next adjustment.

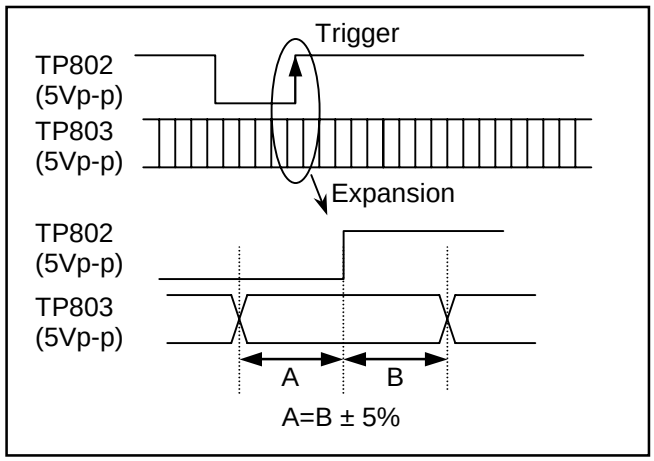
4-3. Reference CF Detection Adjustment

BOARD	V OUT (F5)
TP	CF OUT of Composite Signal generator TP804(CF)[B-2], TP802(CF TP2)[A-1], TP803(CF TP1)[A-1]
ADJ.	VR600 (CF ADJ M)
TAPE	-----
INPUT	REF VIDEO IN Internal SG (CB75)
MODE	-----
M. EQ	Oscilloscope
SPEC.	See Figure, A=B ± 5%

1. Connect the oscilloscope CH1 to the CF output of composite signal generator and CH2 to TP804.
2. Set VR600 to fully counterclockwise.
3. Turn it to clockwise slowly until the phase is reversed as shown in figure.
   And confirm that the “SCH” lamp on the front panel is turned on.



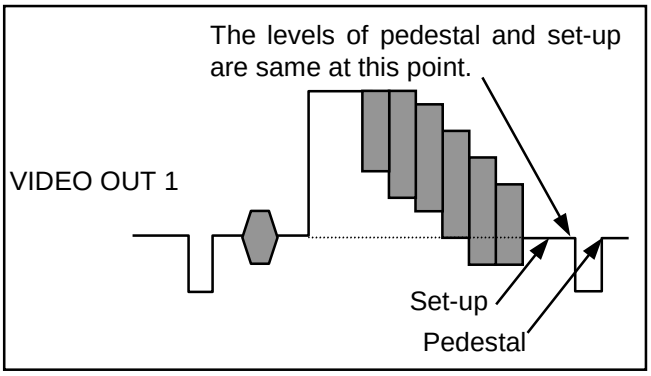
4. Connect the oscilloscope CH1 to TP802 and CH2 to TP803.
5. Expand (delay) the rising edge of TP802.
6. Slowly and slightly rotate VR600 so that the rising edge of TP802 is positioned at the center of cross point between A and B of waveform at TP803.



4-4. Composite Sync DC Level Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D06:SITE SYNC DC (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Color Bar / 0:00 – 7:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	SET-UP LEVEL = PEDESTAL LEVEL ± 3mV

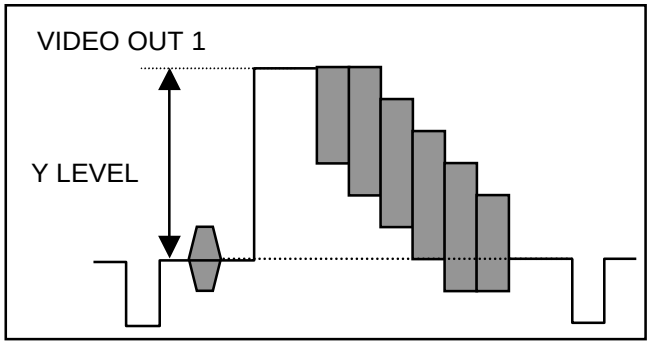
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the 75% color bar portion (0:00 – 7:00).
5. Adjust **D06: SITE SYNC DC** so that the set-up level is the same level as the pedestal level.



4-5. Composite Y Level Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D01:SITE Y LEV (Service Menu) D03:SITE Y SETUP (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Color Bar / 0:00 – 7:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Y Level = 714 ± 3mV

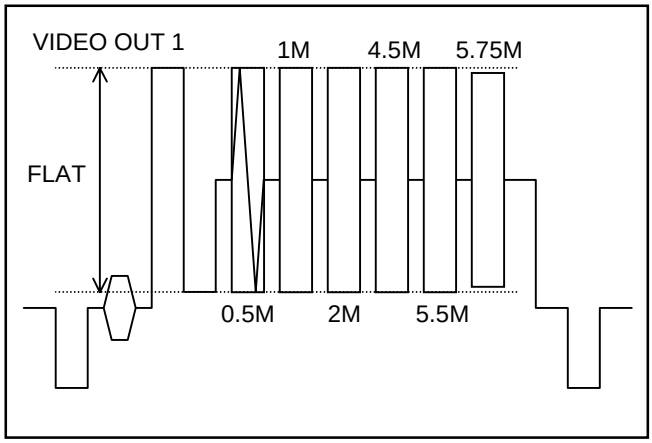
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the 75% color bar portion (0:00 – 7:00).
5. Adjust **D01: SITE Y LEV** so that the Y level is in the specification.
6. Open the SETUP MENU.
7. Select the **622: SETUP** and press the "STOP" button to open the SETUP SUB MENU.
8. Set the **01: CMPST OUT** to **ADD**.
9. Adjust **D03: SITE Y SETUP** in the service menu (**D00: VOUT ADJUST**→**D-2: CMPST ADJUST**) so that the Y level is in the specification.
10. Set the **01: CMPST OUT** to **THRU**.



4-6. Composite Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D02:SITE Y FREQ (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (H sweep 14:00-18:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-5.5MHz : ±0.5dB / 5.75MHz : 0/-2dB

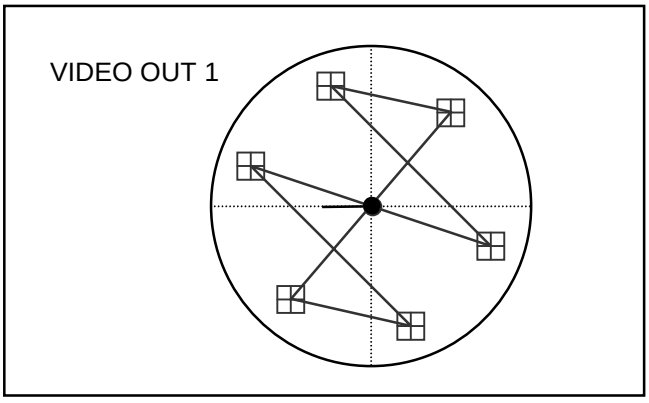
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the H sweep portion (14:00-18:00).
5. Adjust **D02: SITE Y FREQ** so that the 0-5.5MHz portion is flat as shown bellow.



4-7. Composite YC gain & Delay Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D04:SITE C LEV D05:SITE C TMG (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Color Bar / 0:00 – 7:00)
INPUT	-----
MODE	PLAY
M. EQ	Vector Scope
SPEC.	All vector dots are in the inner box.

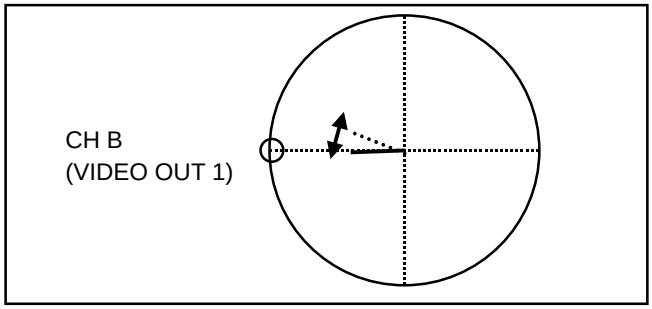
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the 75% color bar portion (0:00 – 7:00).
5. Confirm that adjustment value of **D05: SITE C TMG** is **"0"**.
6. Set the burst position on the vector scope at correct position.
7. Adjust **D04: SITE C LVL** so that the all vector dots are in the inner box as shown in figure.



4-8. Composite SCH Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D07: SITE SCH (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Color Bar / 0:00 – 7:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 5°

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the 75% color bar portion (0:00 – 7:00).
5. Adjust **D07: SITE SCH** so that the SCH is in the specification as shown in figure.



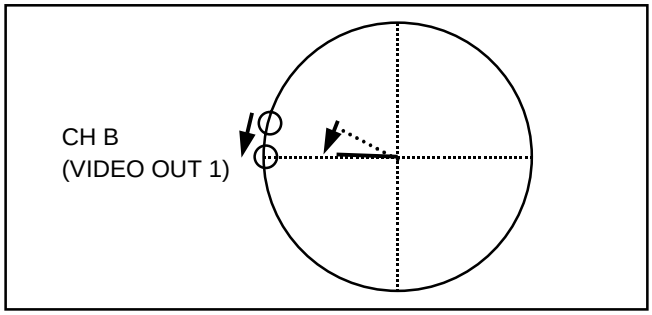
4-9. System Sub-Carrier Phase Adjustment

BOARD	V OUT (F5)
TP	REF IN (CH A), VIDEO OUT 1 (CH B)
ADJ.	VR700 (SYS SC)[E-1]
TAPE	VFM3580KM (L) Alignment Tape (Color Bar)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

1. Play back the alignment tape at the color bar portion.
2. Adjust VR700 so that the SCH of the VIDEO OUT 1 (CHB) is same as EXT-REF-IN (CHA).

<Note>

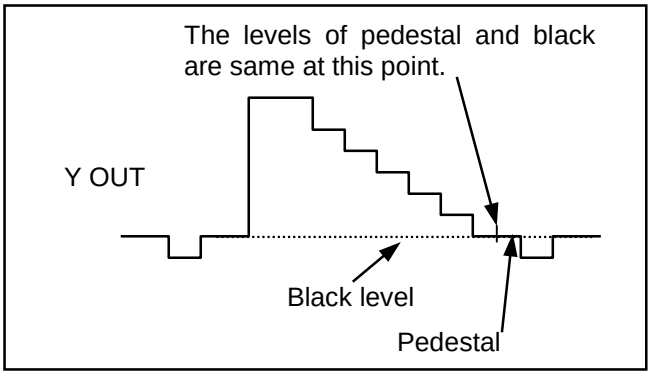
1. Confirm that the SCH indicator should be turned on when reference signal is inputted.
2. Set the WFM to SCH mode, and set the EXT reference mode.
   Observe the Reference signal (CHA) and adjust the PHASE VR of the WFM so that the SCH is correct portion before adjusting the VR700 as shown in figure.
3. Make sure the adjustment position of VR700.
   If position of VR700 is a nearby fully counterclockwise or clockwise, the power may not turn on normally.
   Make sure the setting of System Menu, refer to the <Preparation> of previous page.



4-10. Component Sync DC Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D03: NENT SYNC DC (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	SET-UP LEVEL = PEDESTAL LEVEL ± 3mV

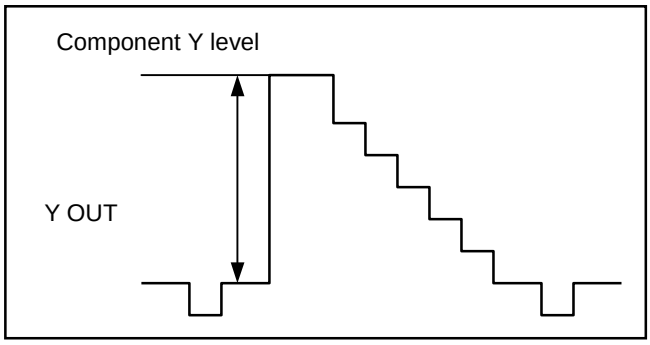
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the 100% color bar portion (7:00 – 14:00).
5. Adjust **D03: NENT SYNC DC** so that the black level is the same level as the pedestal level.



4-11. Component Y Level Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D01: NENT Y LEV (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Y level: 714 ± 3mV

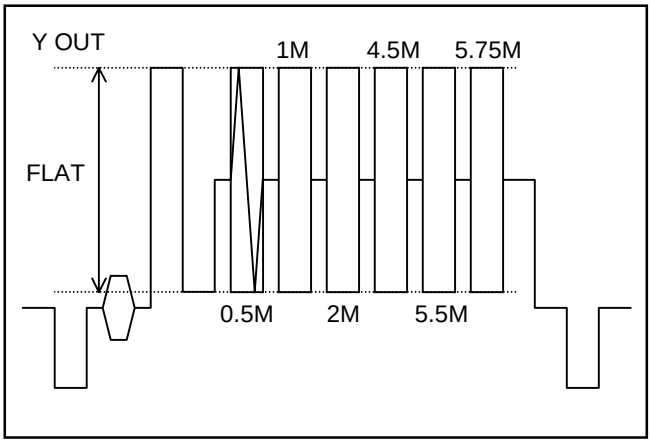
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the 100% color bar portion (7:00 – 14:00).
5. Adjust **D01: NENT Y LEV** so that the Y level is in the specification.



4-12. Component Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D02:NENT Y FREQ (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (H sweep 14:00-18:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-5.75MHz : ±0.5dB

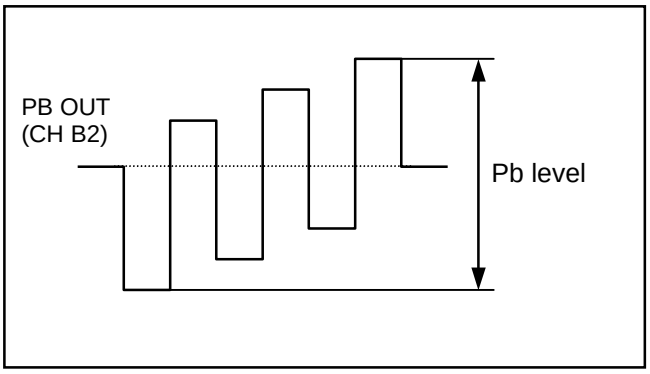
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the H sweep portion (14:00-18:00).
5. Adjust **D02: NENT Y FREQ** so that the 0-5.75MHz portion is flat as shown bellow.



4-13. Component Pb Level Adjustment

BOARD	V OUT (F5)
TP	Pb OUT (CH B2)
ADJ.	D04: NENT PB LEV (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Pb level : 1009 ± 3mV

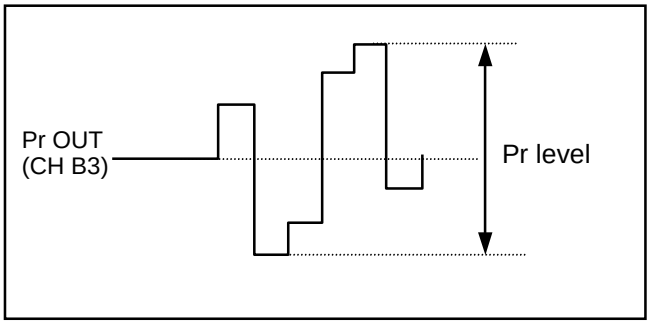
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the 100% color bar portion (7:00 – 14:00).
5. Adjust **D04: NENT PB LEV** so that the Pb level is in the specification.



4-14. Component Pr Level Adjustment

BOARD	V OUT (F5)
TP	Pr OUT (CH B3)
ADJ.	D07: NENT PR LEV (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Color Bar / 7:00 – 14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Pr level : 1009 ± 3mV

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the 100% color bar portion (7:00 – 14:00).
5. Adjust **D07: NENT PR LEV** so that the Pr level is in the specification.



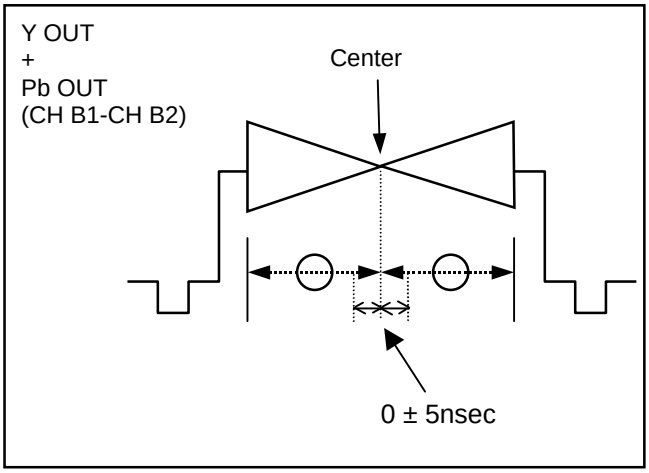
4-15. Component Y-Pb Timing Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1), Pb OUT (CH B2)
ADJ.	D06: NENT PB TMG (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Bow tie portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM (Bow tie mode)
SPEC.	Y Pb Timing : 0 ± 5nsec

1. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : M2
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
4. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
5. Play back the alignment tape at the Bow tie portion (18:00-22:00).
6. Adjust **D06: NENT PB TMG** so that the crossing point of the Bow tie signal becomes a center (Timing=0± 5nsec) as shown bellow.
7. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : β CAM

<Note>

Incase of WFM does not have "Bow tie mode" (Y-Pb timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.



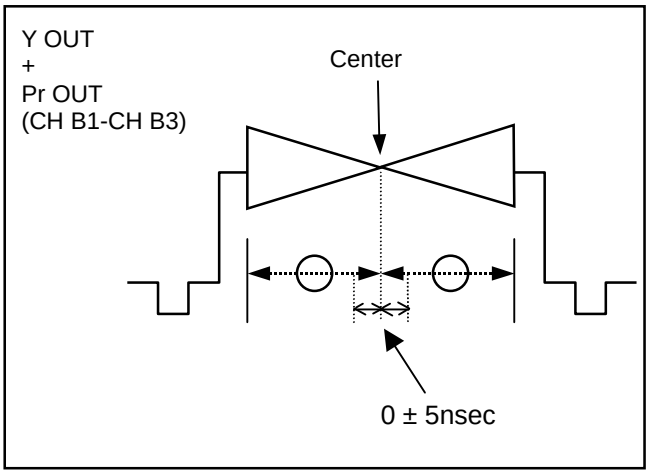
4-16. Component Y-Pr Timing Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1), Pr OUT (CH B3)
ADJ.	D09: NENT PR TMG (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (Bow tie portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM (Bow tie mode)
SPEC.	Y Pr Timing : 0 ± 5nsec

1. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : M2
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
4. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
5. Play back the alignment tape at the Bow tie portion (18:00-22:00).
6. Adjust **D09: NENT PR TMG** so that the crossing point of the Bow tie signal becomes a center (Timing=0± 5nsec) as shown bellow.
7. Set menu setting of SETUP menu as follows.
   614 PB / PR OUT LV : β CAM

<Note>

Incase of WFM does not have "Bow tie mode" (Y-Pr timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

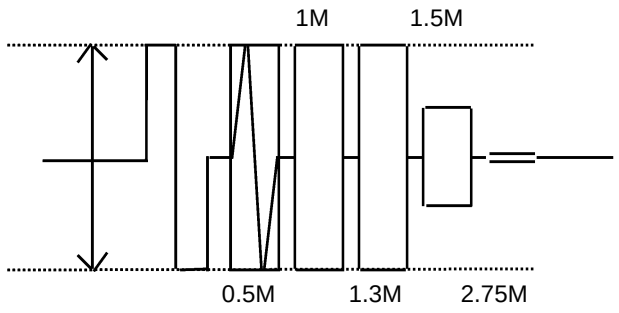


4-17. Component Pb Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Pb OUT (CH B2)
ADJ.	D05: NENT PB FREQ (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (H sweep 14:00 – 18:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-1.3MHz : ± 0.5dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the H sweep portion (14:00-18:00).
5. Adjust **D05: NENT PB FREQ** so that the 0-2.75MHz portion is flat as shown bellow.

PB OUT (CH B2)

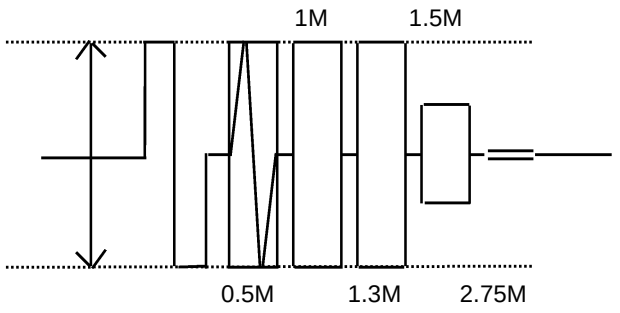


4-18. Component Pr Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Pr OUT (CH B3)
ADJ.	D08: NENT PR FREQ (Service Menu)
TAPE	VFM3580KM (L) Alignment Tape (H sweep 14:00 – 18:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-1.3MHz : ± 0.5dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the H sweep portion (14:00-18:00).
5. Adjust **D08: NENT PR FREQ** so that the 0-2.75MHz portion is flat as shown bellow.

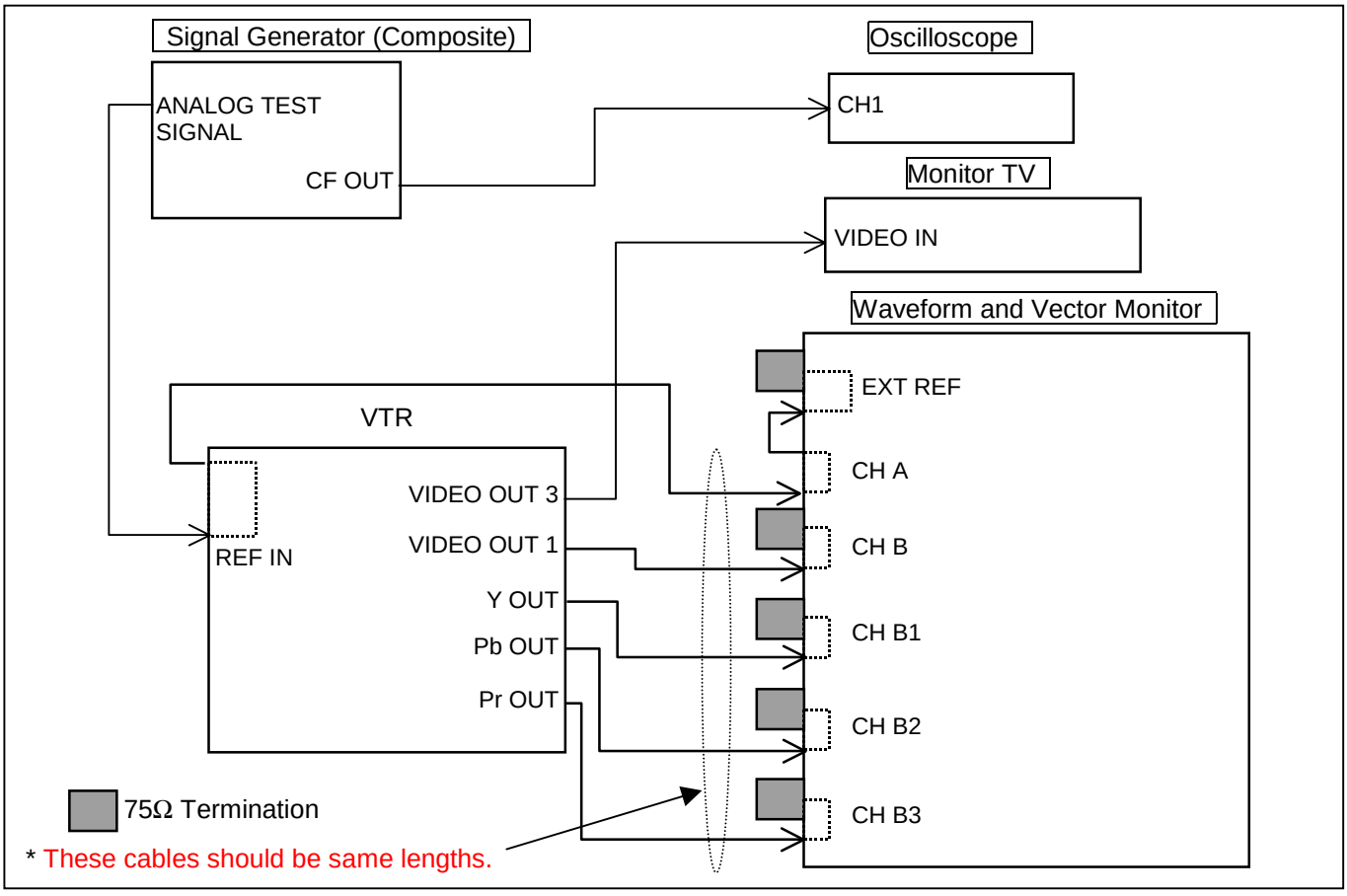
PR OUT (CH B3)



4. V OUT (F5) (For AJ-SD755E / D755MC)

- 4-1. Connection
- 4-2. Reference PLL Center Frequency Adjustment
- 4-3. Reference CF Detection Adjustment
- 4-4. Composite Sync DC Level Adjustment
- 4-5. Composite Y Level Adjustment
- 4-6. Composite Frequency Chanacteristic Adjustment
- 4-7. Composite YC gain & Delay Adjustment
- 4-8. Composite SCH Adjustment
- 4-9. System Sub-Carrier Phase Adjustment
- 4-10. Component Sync DC Adjustment
- 4-11. Component Y Level Adjustment
- 4-12. Component Frequency Characteristic Adjustment
- 4-13. Component Pb Level Adjustment
- 4-14. Component Pr Level Adjustment
- 4-15. Component Y-Pb Timing Adjustment
- 4-16. Component Y-Pr Timing Adjustment
- 4-17. Component Pb Frequency Characteristic Adjustment
- 4-18. Component Pr Frequency Characteristic Adjustment

4-1. Connection



<Preparation>

1. Before starting this section, it needs aging more than 15 minutes.
2. Set menu setting of SYSTEM menu as follows. Before that, note the current setting, and after finishing all adjustment of this section, set to the original (current) setting.

00 WFM SEL	**:**	**0002**	**VIDEO**
10 ENCODER SEL	**:**	**0001**	**LOCAL**
11 SYS SC COAR.	**:**	**0000**	**0**
12 SYS SC FINE	**:**	**0128**	**0**
13 SYS H	**:**	**0128**	**0**
14 SCH COARSE	**:**	**0000**	**0**
15 SCH FINE	**:**	**0032**	**0**
16 AV PHASE	**:**	**0128**	**0**
18 SYS H OFFSET	**:**	**0003**	**0**
19 SYS SC/H	**:**	**0000**	**REMOTE**
22 VIDEO LEVEL	**:**	**0128**	**0**
23 BLACK LEVEL	**:**	**0128**	**0**
24 CHROMA PHASE	**:**	**0128**	**0**
25 CHROMA LEVEL	**:**	**0128**	**0**
30 MENU LOCK	**:**	**0000**	**OFF**

4-2. Reference PLL Center Frequency Adjustment

BOARD	V OUT (F5)
TP	TP153 (VCO)[F-2]
ADJ.	VC701 (FREQ ADJ M)[E-2]
TAPE	-----
INPUT	Internal SG (CB75)
MODE	-----
M. EQ	Frequency Counter
SPEC.	17.734475MHz ±10Hz

1. Disconnect the REF IN terminal. (No reference signal)
2. Connect the frequency counter to TP153.
3. Adjust VC701 so that the frequency at the TP153 is in the specification.

<Note>

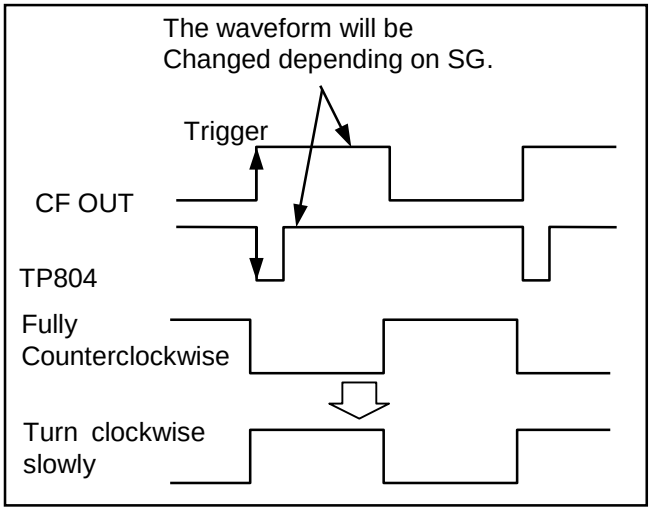
When the hand and so on approach too much near VC701 in adjustment, the DC voltage sometimes shifts.

After finishing this adjustment, connect REF IN terminal again for next adjustment.

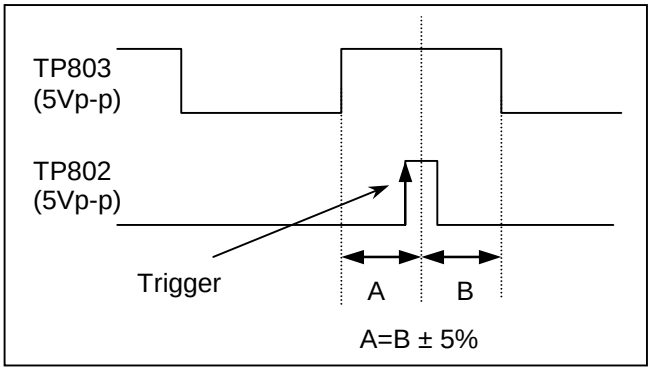
4-3. Reference CF Detection Adjustment

BOARD	V OUT (F5)
TP	CF OUT of Composite Signal generator TP804(CF)[B-2], TP802(CF TP2)[A-1], TP803(CF TP1)[A-1]
ADJ.	VR600 (CF ADJ M)
TAPE	-----
INPUT	REF VIDEO IN Internal SG (CB75)
MODE	-----
M. EQ	Oscilloscope
SPEC.	See Figure, A=B ± 5%

1. Connect the oscilloscope CH1 to the CF output of composite signal generator and CH2 to TP804.
2. Set VR600 to fully counterclockwise.
3. Turn it to clockwise slowly until the phase is reversed as shown in figure.
   And confirm that the “SCH” lamp on the front panel is turned on.



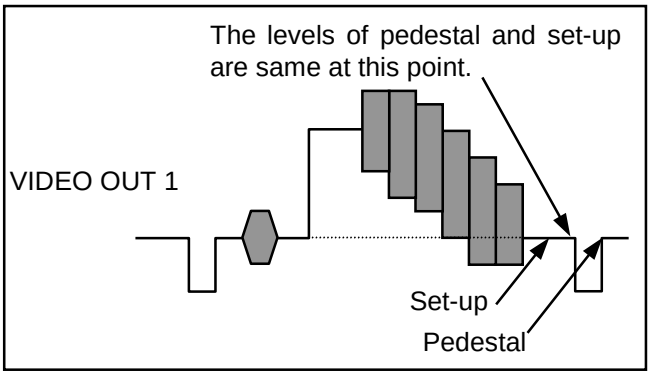
4. Connect the oscilloscope CH1 to TP802 and CH2 to TP803.
5. Expand (delay) the rising edge of TP802.
6. Slowly and slightly rotate VR600 so that the center of high portion at TP802 is positioned at the center of high portion at TP803.



4-4. Composite Sync DC Level Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D06:SITE SYNC DC (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	SET-UP LEVEL = PEDESTAL LEVEL ± 3mV

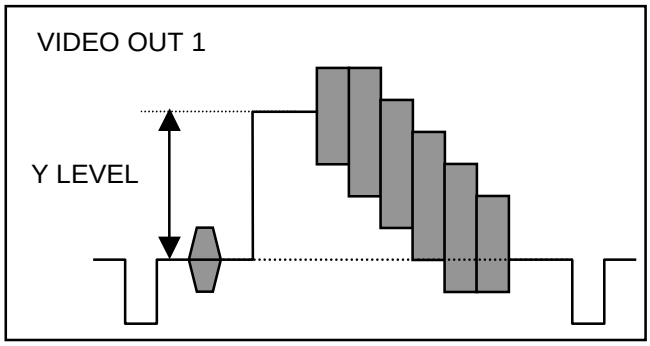
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (0:00-10:00).
5. Adjust **D06: SITE SYNC DC** so that the set-up level is the same level as the pedestal level.



4-5. Composite Y Level Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D01:SITE Y LEV (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Y Level = 700 ± 3mV

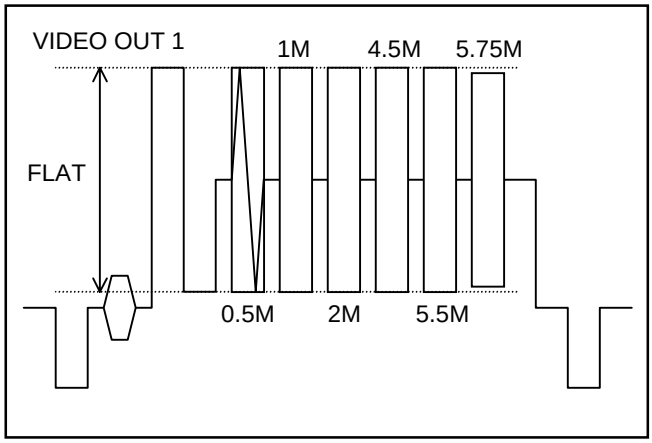
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (0:00-10:00).
5. Adjust **D01: SITE Y LEV** so that the Y level is in the specification.



4-6. Composite Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D02:SITE Y FREQ (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (H sweep 10:00-14:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-5.5MHz : ±0.5dB / 5.75MHz : ±1dB

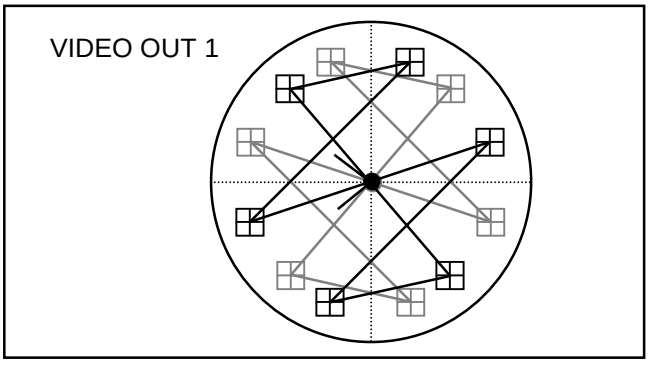
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the H sweep portion (10:00-14:00).
5. Adjust **D02: SITE Y FREQ** so that the 0-5.5MHz portion is flat as shown bellow.



4-7. Composite YC gain & Delay Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D04:SITE C LEV D05:SITE C TMG (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	-----
MODE	PLAY
M. EQ	Vector Scope
SPEC.	All vector dots are in the inner box.

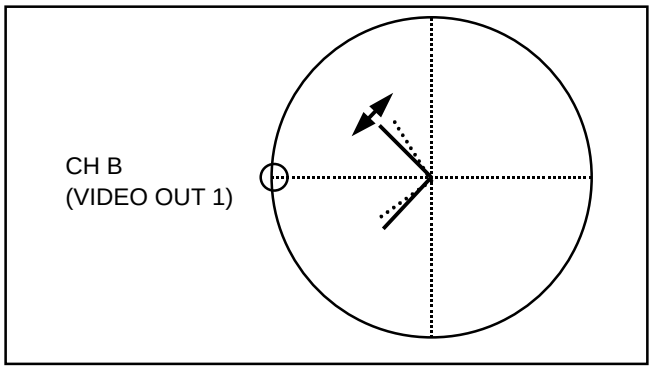
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (0:00-10:00).
5. Confirm that adjustment value of **D04: SITE C LEV** is **"–50"**.
6. Set the burst position on the vector scope at correct position.
7. Adjust **D05: SITE C TMG** so that the all vector dots are in the inner box as shown in figure.



4-8. Composite SCH Adjustment

BOARD	V OUT (F5)
TP	VIDEO OUT 1 (CH B)
ADJ.	D07: SITE SCH (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 5°

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-2: CMPST ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (0:00-10:00).
5. Adjust **D07: SITE SCH** so that the SCH is in the specification as shown in figure.



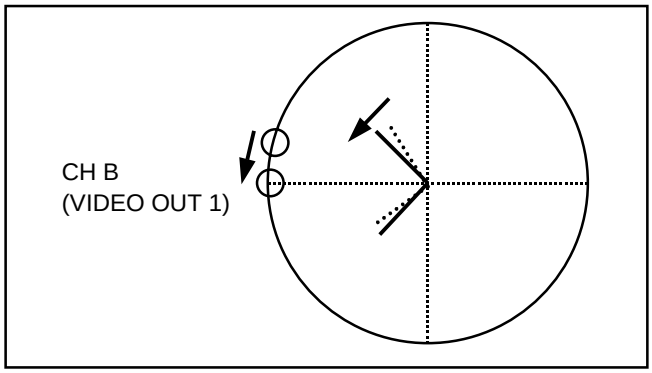
4-9. System Sub-Carrier Phase Adjustment

BOARD	V OUT (F5)
TP	REF IN (CH A), VIDEO OUT 1 (CH B)
ADJ.	VR700 (SYS SC)[E-1]
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM with SCH meter
SPEC.	SCH = 0 ± 1°

1. Play back the alignment tape at the color bar portion (0:00-10:00).
2. Adjust VR700 so that the SCH of the VIDEO OUT 1 (CHB) is same as EXT-REF-IN (CHA).

<Note>

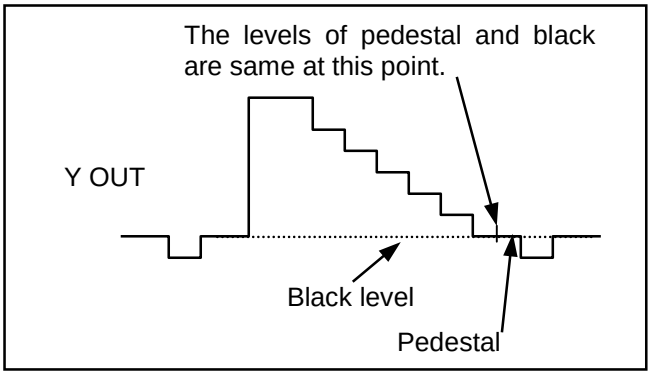
1. Confirm that the SCH indicator should be turned on when reference signal is inputted.
2. Set the WFM to SCH mode, and set the EXT reference mode.
   Observe the Reference signal (CHA) and adjust the PHASE VR of the WFM so that the SCH is correct portion before adjusting the VR700 as shown in figure.
3. Make sure the adjustment position of VR700.
   If position of VR700 is a nearby fully counterclockwise or clockwise, the power may not turn on normally.
   Make sure the setting of System Menu, refer to the <Preparation> of previous page.



4-10. Component Sync DC Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D03: NENT SYNC DC (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	SET-UP LEVEL = PEDESTAL LEVEL ± 3mV

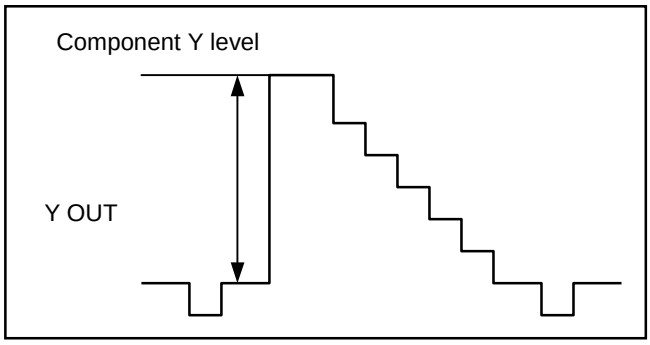
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (0:00-10:00).
5. Adjust **D03: NENT SYNC DC** so that the black level is the same level as the pedestal level.



4-11. Component Y Level Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D01: NENT Y LEV (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Y level: 700 ± 3mV

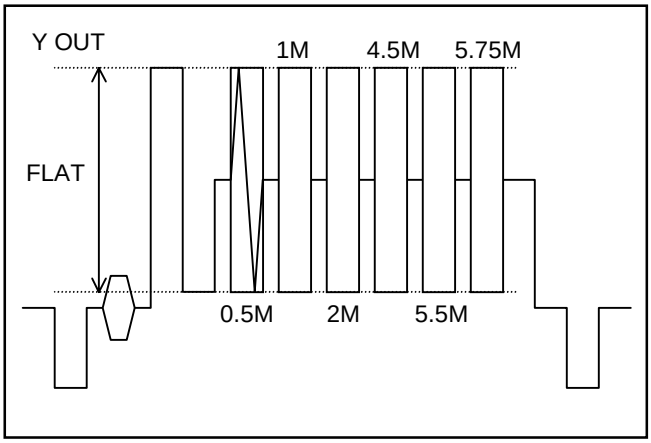
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (0:00-10:00).
5. Adjust **D01: NENT Y LEV** so that the Y level is in the specification.



4-12. Component Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1)
ADJ.	D02:NENT Y FREQ (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (H sweep 10:00-14:00)
INPUT	------
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-5.75MHz : ±0.5dB

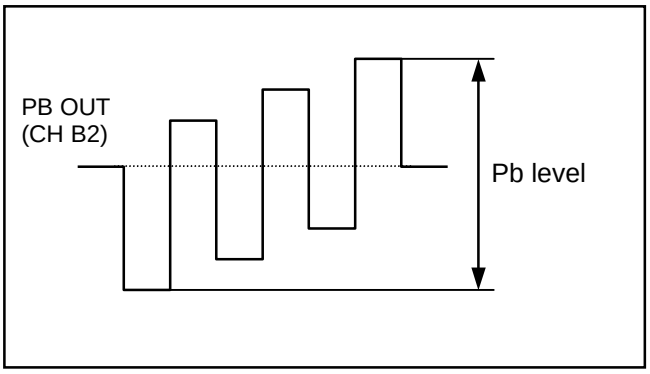
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the H sweep portion (10:00-14:00).
5. Adjust **D02: NENT Y FREQ** so that the 0-5.75MHz portion is flat as shown bellow.



4-13. Component Pb Level Adjustment

BOARD	V OUT (F5)
TP	Pb OUT (CH B2)
ADJ.	D04: NENT PB LEV (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Pb level : 700 ± 3mV

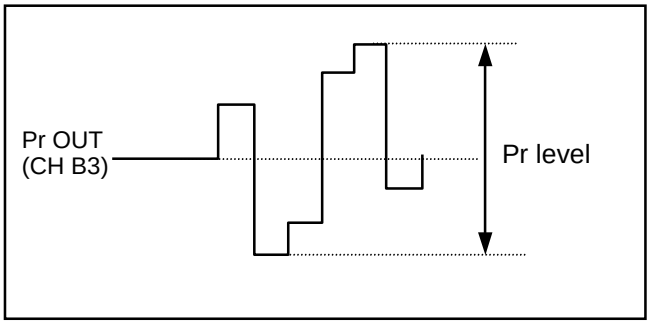
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (0:00-10:00).
5. Adjust **D04: NENT PB LEV** so that the Pb level is in the specification.



4-14. Component Pr Level Adjustment

BOARD	V OUT (F5)
TP	Pr OUT (CH B3)
ADJ.	D07: NENT PR LEV (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Color Bar / 0:00-10:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	Pr level : 700 ± 3mV

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the color bar portion (0:00-10:00).
5. Adjust **D07: NENT PR LEV** so that the Pr level is in the specification.



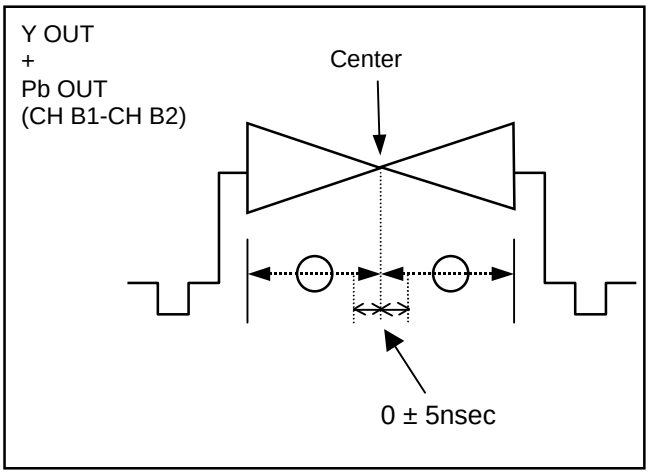
4-15. Component Y-Pb Timing Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1), Pb OUT (CH B2)
ADJ.	D06: NENT PB TMG (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Bow tie portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM (Bow tie mode)
SPEC.	Y Pb Timing : 0 ± 5nsec

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the Bow tie portion (18:00-22:00).
5. Adjust **D06: NENT PB TMG** so that the crossing point of the Bow tie signal becomes a center (Timing=0± 5nsec) as shown bellow.

<Note>

Incase of WFM does not have "Bow tie mode" (Y-Pb timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.



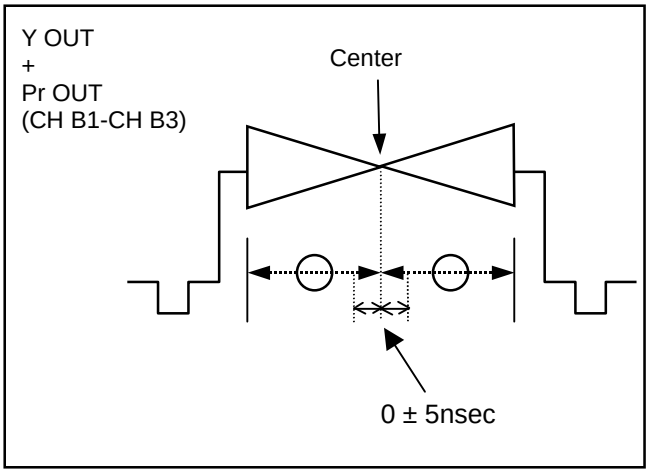
4-16. Component Y-Pr Timing Adjustment

BOARD	V OUT (F5)
TP	Y OUT (CH B1), Pr OUT (CH B3)
ADJ.	D09: NENT PR TMG (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (Bow tie portion)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM (Bow tie mode)
SPEC.	Y Pr Timing : 0 ± 5nsec

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the Bow tie portion (18:00-22:00).
5. Adjust **D09: NENT PR TMG** so that the crossing point of the Bow tie signal becomes a center (Timing=0± 5nsec) as shown bellow.

<Note>

Incase of WFM does not have "Bow tie mode" (Y-Pb timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

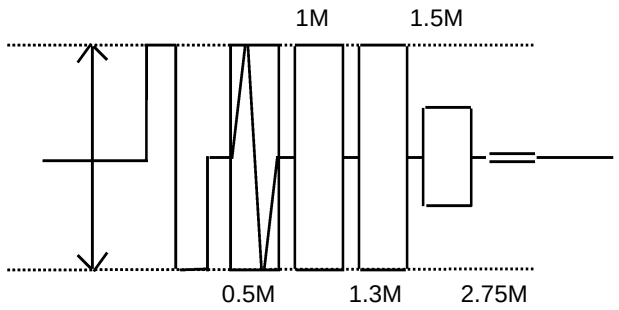


4-17. Component Pb Frequency Characteristic Adjustment

BOARD	V OUT (F5)
TP	Pb OUT (CH B2)
ADJ.	D05: NENT PB FREQ (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (H sweep 10:00-14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-1.3MHz : ± 0.5dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the H sweep portion (10:00-14:00).
5. Adjust **D05: NENT PB FREQ** so that the 0-2.75MHz portion is flat as shown bellow.

PB OUT (CH B2)

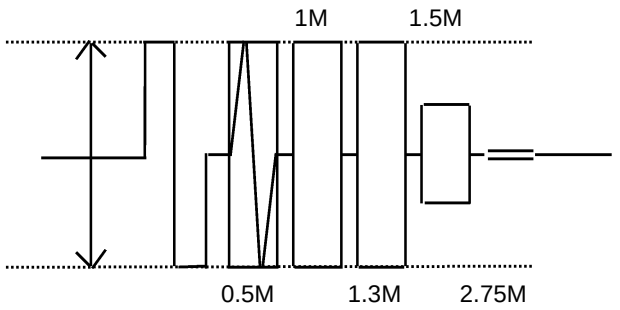


4-18. Component Pr Frequency Characteristic Adjustment

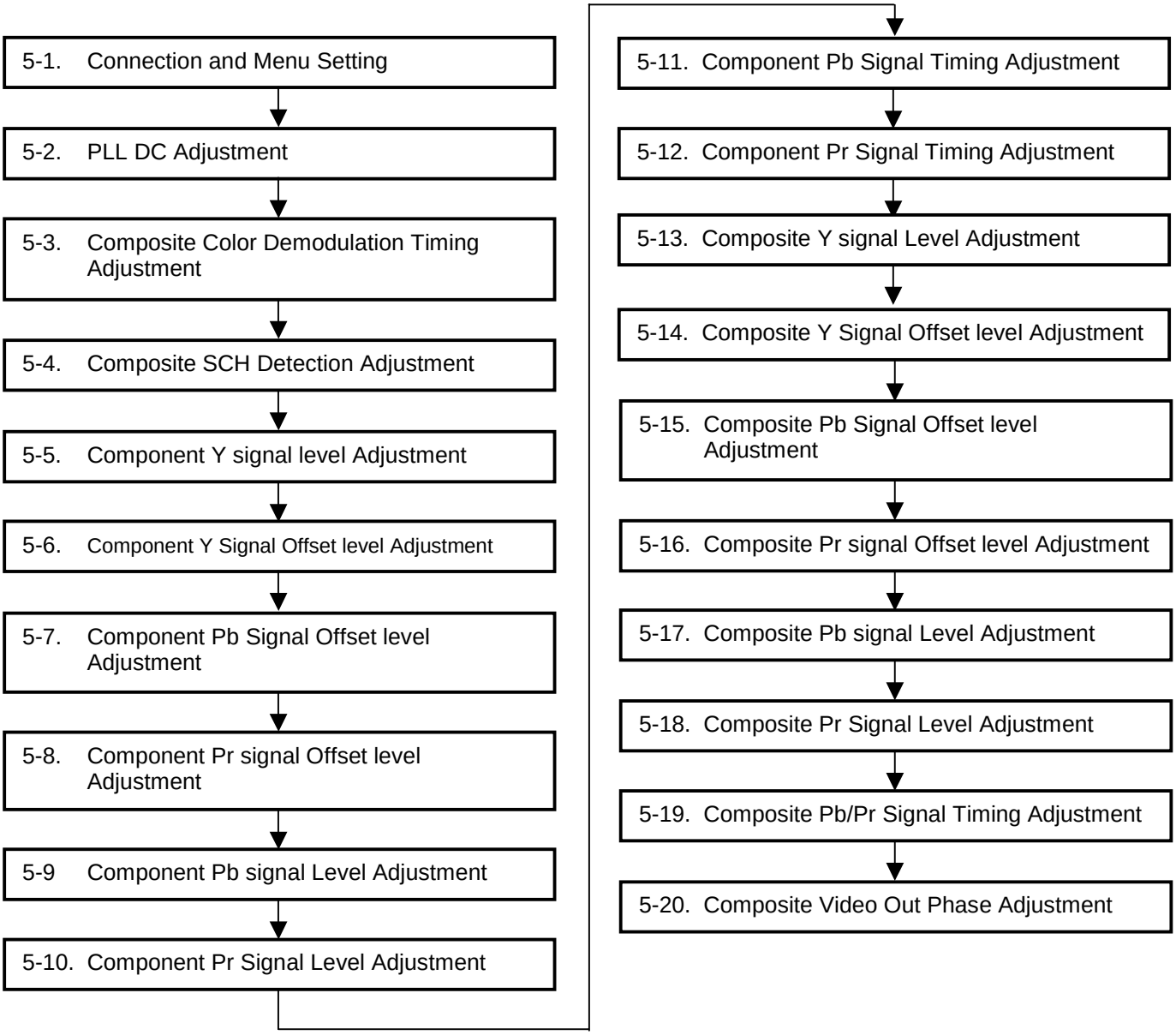
BOARD	V OUT (F5)
TP	Pr OUT (CH B3)
ADJ.	D08: NENT PR FREQ (Service Menu)
TAPE	VFM3680KM (L) Alignment Tape (H sweep 10:00-14:00)
INPUT	-----
MODE	PLAY
M. EQ	Analog WFM
SPEC.	0-1.3MHz : ± 0.5dB

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **D00: VOUT ADJUST** and press the "SET" button to open the VOUT ADJUST MENU.
3. Select the **D-1: CMPNT ADJUST** and press the "SET" button.
4. Play back the alignment tape at the H sweep portion (10:00-14:00).
5. Adjust **D08: NENT PR FREQ** so that the 0-2.75MHz portion is flat as shown bellow.

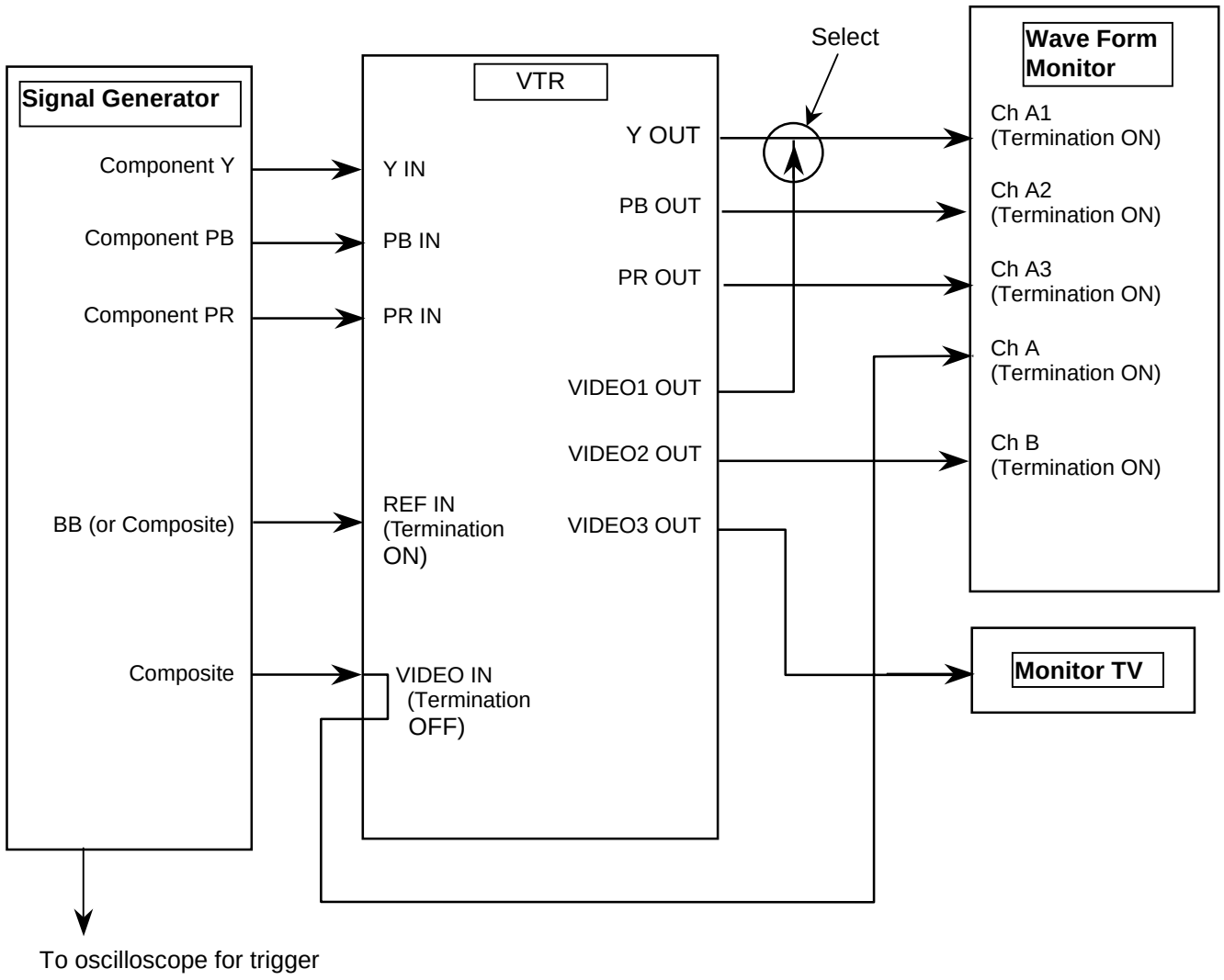
PR OUT (CH B3)



5. V IN (F2A) (For AJ-SD755P)



5-1. Connection and Menu Setting



<Caution>

1. Set the component output level of signal generator to β CAM level.
2. Before starting adjustment, it needs aging more than 15 minutes.

<Menu Setting>

1. Open the "SETUP MENU" and set as following.

610 PB/PR IN LV : B-CAM
614 PB/PR OUT LV : B-CAM
622 SETUP
00 CMPST IN : THRU
01 CMPST OUT : THRU
02 CMPNT IN : THRU
03 CMPNT OUT : THRU

5-2. PLL DC Adjustment

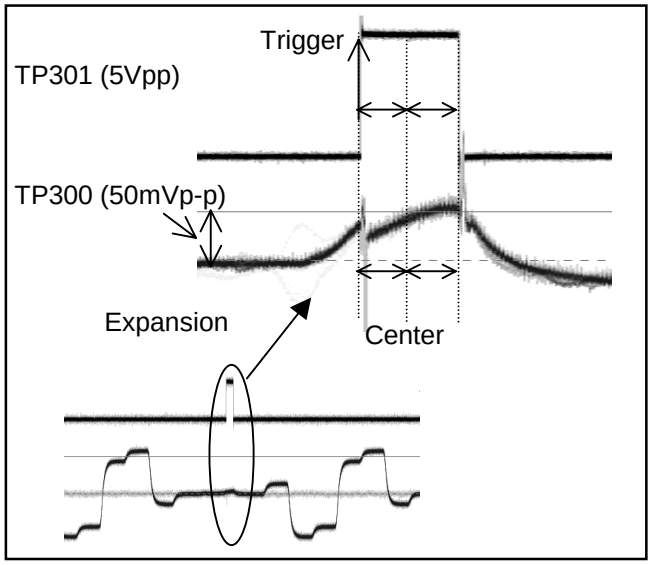
BOARD	V IN (F2A)
TP	TP450 (PLL DC)[A-2]
ADJ.	VC450 (VCO DC)[B-2]
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Oscilloscope
SPEC.	DC voltage : 0 ± 0.1V

1. Connect the scope to TP450. And adjust VC450 so that the DC voltage is in the specification.

5-3. Composite Color Demodulation Timing Adjustment

BOARD	V IN (F2A)
TP	TP300(APC)[C-1], TP301(BGP)[C-1]
ADJ.	VR300 (RSTH)[B-1]
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Oscilloscope
SPEC.	Center

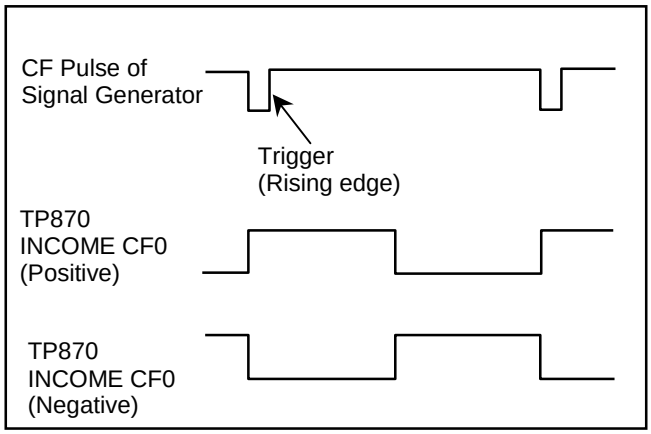
1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **C00: VIN ADJUST** and press the “SET” button to open the VIN ADJUST MENU.
4. Select **C-2: CMPST ADJUST** and press the “SET” button to open the CMPST ADJUST menu.
5. Set the numerical value of the **C09: SITE CAXIS** to **127.**
6. Connect the scope CH1 to TP301 and CH2 to TP300.
7. Adjust VR300 so that the timing of the center portion of these pulses becomes same timing as shown in figure.
8. Set **C09: SITE CAXIS** to **0(zero).**



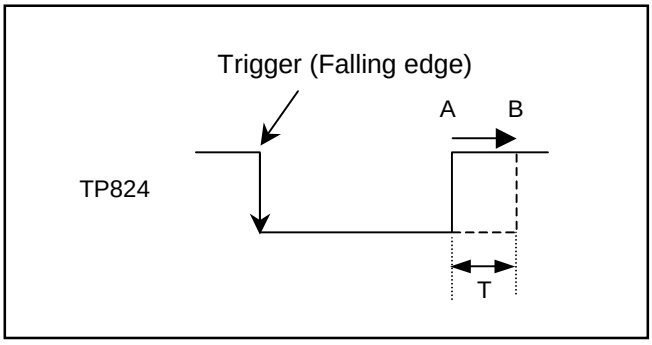
5-4. Composite SCH Detection Adjustment

BOARD	V IN (F2A)
TP	TP870 (INCF)[B-4], TP824(SCHP)[A-3]
ADJ.	VR301 (SCH)[B-1]
TAPE	-----
INPUT	CF Signal of Signal Generator Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Oscilloscope
SPEC.	T=55 ± 0.5nsec

1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Connect the scope CH1 to TP870 and CH2 to CF Pulse of the signal generator. And set the trigger channel to CH2. (Triggered by rising edge.)
3. Set VR301 fully counterclockwise.
4. If income CF0 pulse of the TP870 is positive pulse, turn the VR301 clockwise until changing from positive to negative as shown bellow.
5. Turn the VR301 clockwise slowly until just changing from negative to positive as shown below.



6. Connect the scope CH1 to TP824 and trigger by falling edge.
7. Turn the VR301 clockwise slowly until the rising edge of the TP824 moves from "A" to "B" as shown below. The time difference "T" should be in the specification.

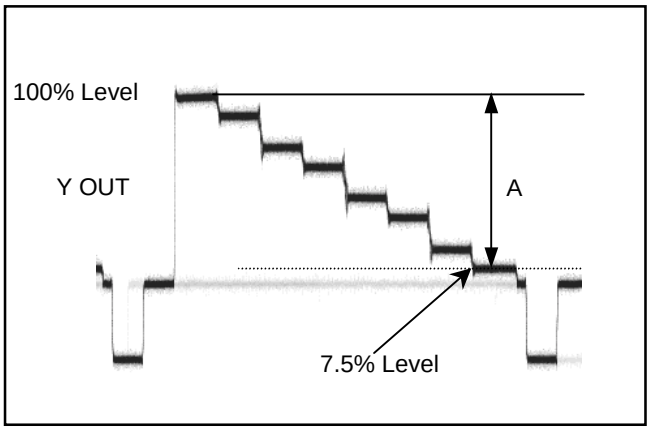


5-5. Component Y signal level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: NENT Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal(100%←→7.5% : 661 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the VIN ADJUST MENU.
3. Select **C-1: CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C01 NENT Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and 7.5% portion.)
5. Close the menu.



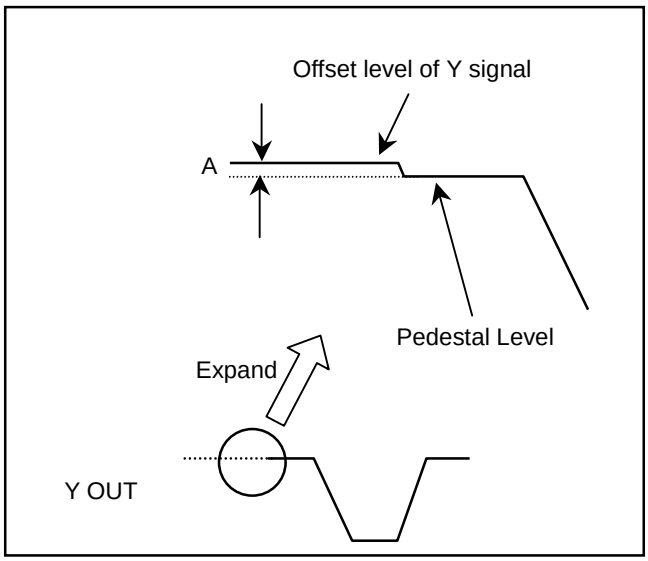
Note:
When open the "C-1: CMPNT ADJUST" page of the Service Menu, the Video Input Select is changed to ***"Y PB PR"*** *(Component Input) automatically.*
And also, when open the "C-2: CMPST ADJUST" page of the Service Menu, the Video Input Select is changed to ***"CMPST"*** *(Composite Input) automatically. However, the indicator of video input on the front panel is not changed.*

5-6. Component Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: NENT Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal(A):0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C02 NENT Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

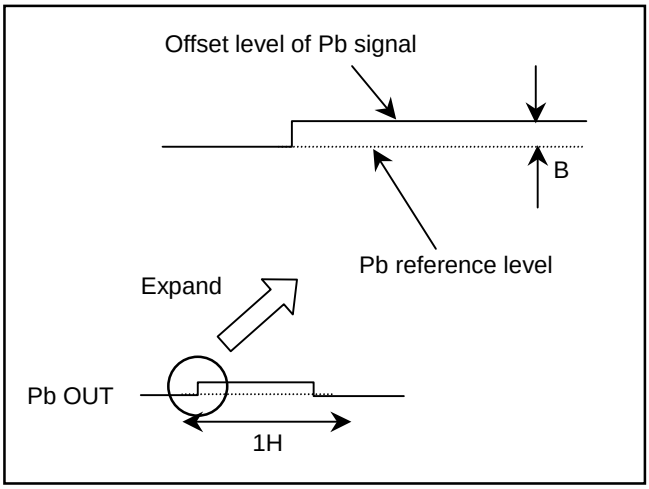


5-7. Component Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	C04: NENT PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C04 NENT PB OFS** so that the level "B" is in the specification. (Level "B" is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

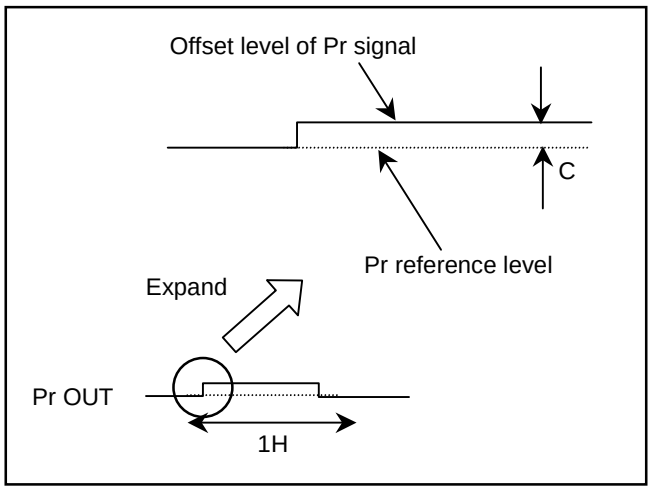


5-8. Component Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	C07: NENT PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C07 NENT PR OFS** so that the level "C" is in the specification. (Level "C" is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

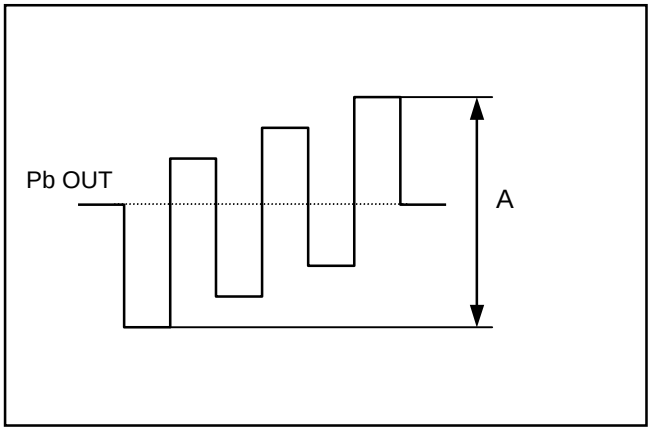


5-9 Component Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	C03: NENT PB GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 933 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C03 NENT PB GAIN** so that the level "A" is in the specification.
5. Close the menu.

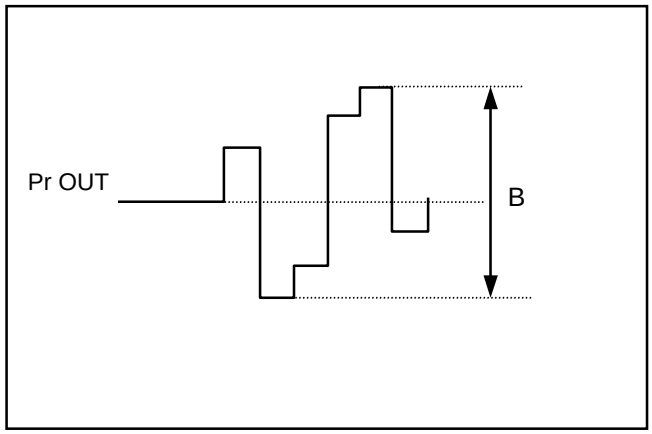


5-10.Component Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	C06: NENT PR GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar with 7.5% Setup β-CAM LEVEL)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 933 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C06 NENT PR GAIN** so that the level "B" is in the specification.
5. Close the menu.

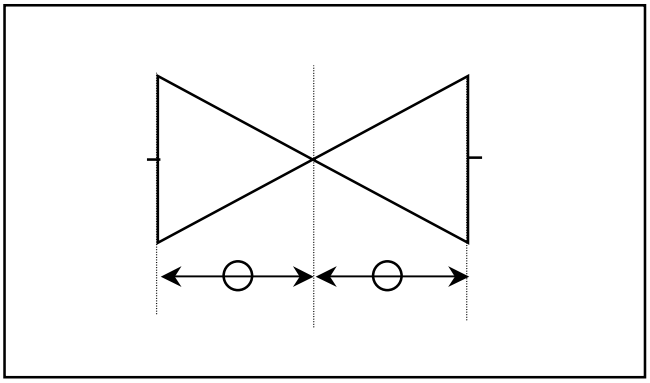


5-11.Component Pb Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pb OUT
ADJ.	C05: NENT PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C05 NENT PB TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



<Note>

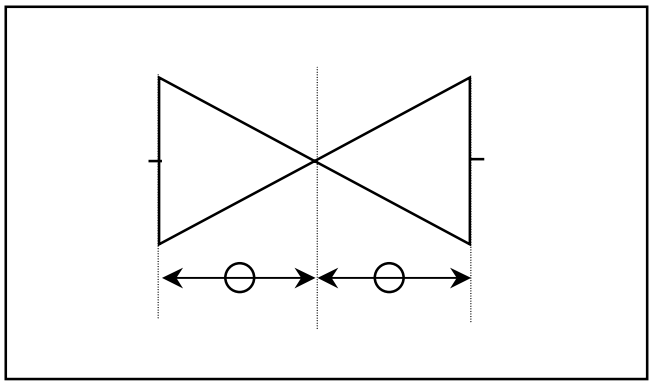
Incase of WFM does not have "Bow tie mode" (Y-Pb timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

5-12.Component Pr Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pr OUT
ADJ.	C08: NENT PR TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C08 NENT PR TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



<Note>

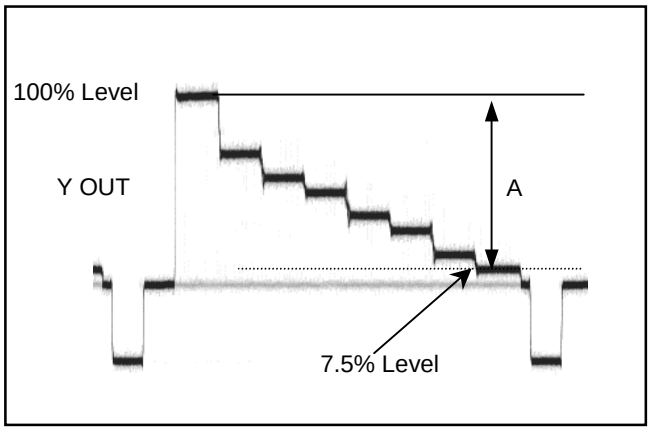
Incase of WFM does not have "Bow tie mode" (Y-Pr timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

5-13.Composite Y signal Level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: SITE Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal (A)(100%←→7.5%) : 661 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C01 SITE Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and 7.5% portion.)
5. Close the menu.



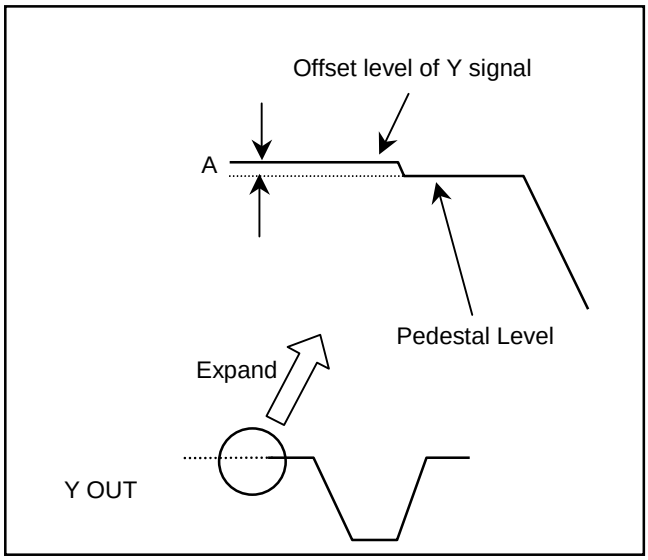
Note:
When open the "C-1: CMPNT ADJUST" page of the Service Menu, the Video Input Select is changed to ***"Y PB PR"*** *(Component Input) automatically.*
And also, when open the "C-2: CMPST ADJUST" page of the Service Menu, the Video Input Select is changed to ***"CMPST"*** *(Composite Input) automatically. However, the indicator of video input on the front panel is not changed.*

5-14.Composite Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: SITE Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal (A) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: V IN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C02 SITE Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

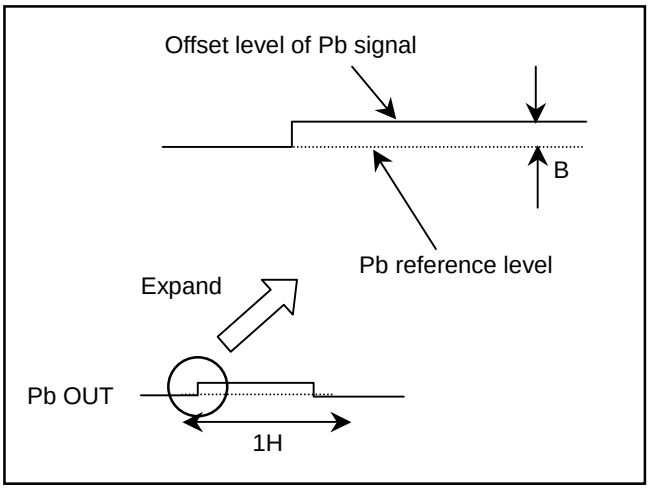


5-15.Composite Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pb OUT
ADJ.	C04: SITE PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C04 SITE PB OFS** so that the level "B" is in the specification. (Level "B" is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

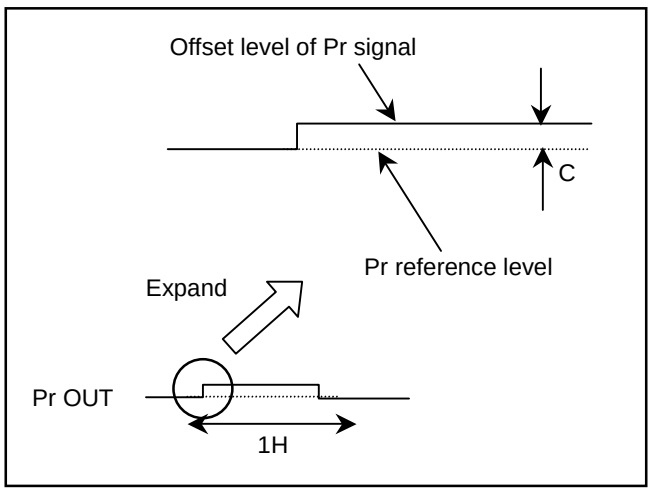


5-16.Composite Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pr OUT
ADJ.	C07: SITE PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C07 SITE PR OFS** so that the level "C" is in the specification. (Level "C" is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

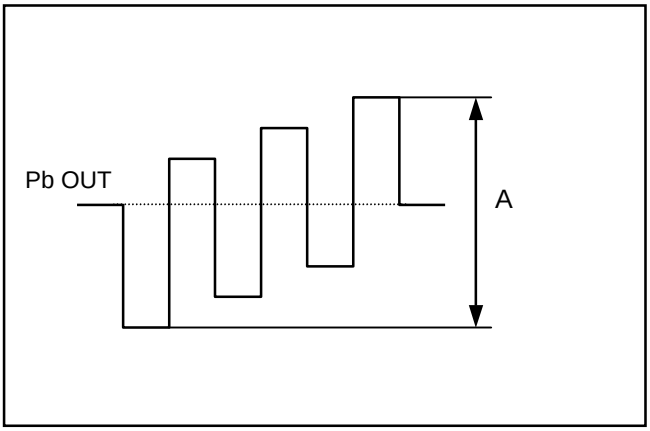


5-17.Composite Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PB OUT
ADJ.	C03: SITE PB GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C03 SITE PB GAIN** so that the level "A" is in the specification.
5. Close the menu.

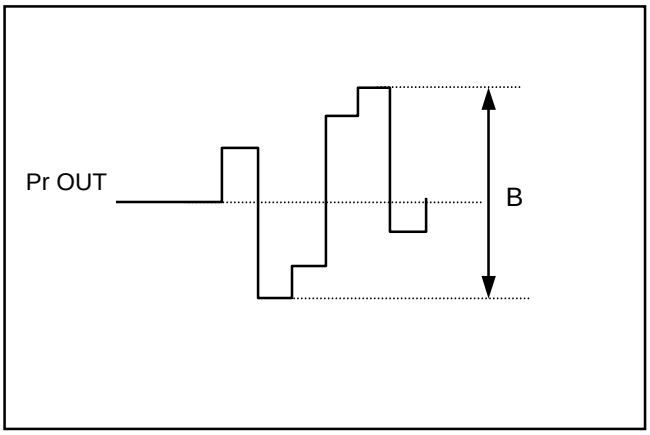


5-18.Composite Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PR OUT
ADJ.	C06: SITE PR GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C06 SITE PR GAIN** so that the level "B" is in the specification.
5. Close the menu.



5-19.Composite Pb/Pr Signal Timing Adjustment

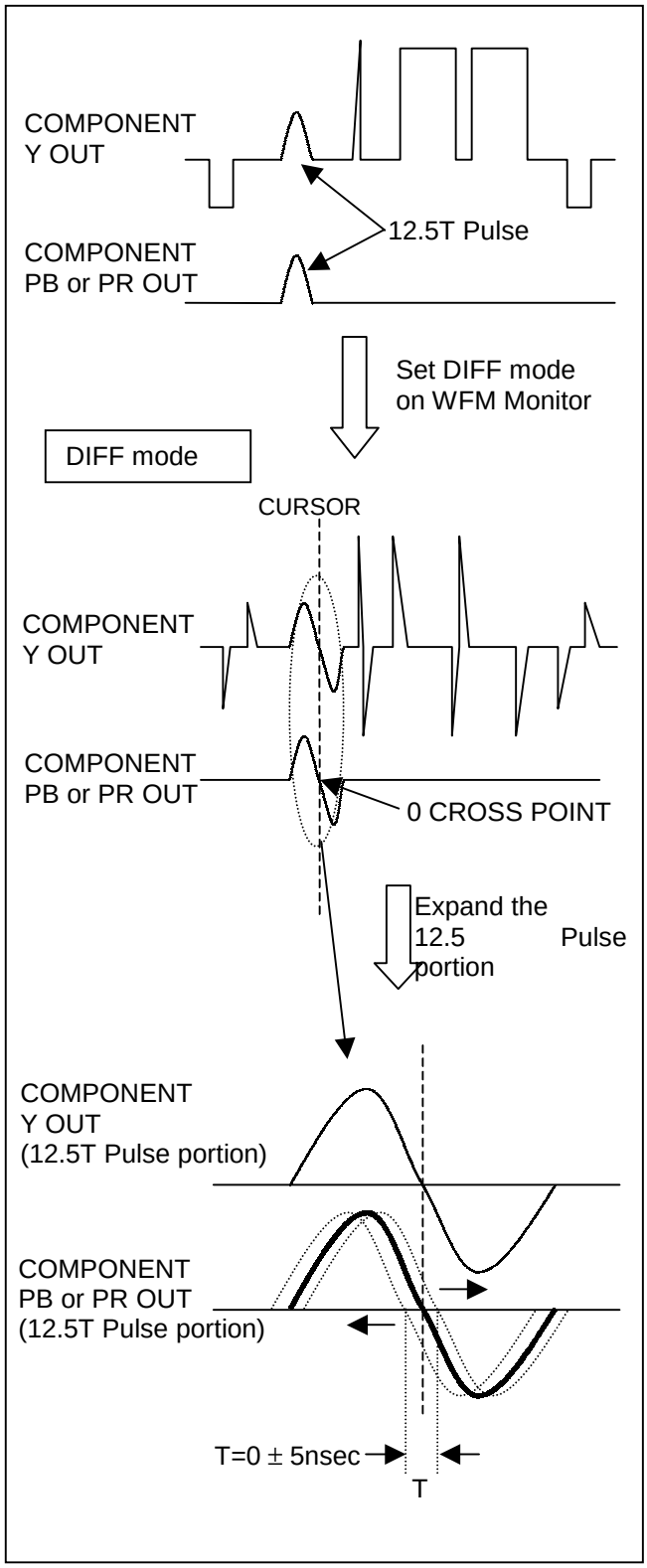
BOARD	V IN (F2A)
TP	Y, Pr, Pb OUT
ADJ.	C05: SITE PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 12.5T modulation Signal)
MODE	EE
M. EQ	Analog WFM (DIFF mode)
SPEC.	T = 0± 5nsec

(This adjustment performs without extender board.)

1. Confirm that the 12.5T modulation signal portion of Component Y OUT is displayed correctly on the WFM as shown in figure.
2. Confirm that the 12.5T modulation signal portion of Component PB and PR OUT is displayed correctly on the WFM as shown in figure.
3. Set WFM monitor to DIFF mode. In the DIFF mode, waveform of Y and PB or PR signals are integrated as shown in figure.
4. Expand the 12.5 pulse portion (an ellipse dotted portion as indicated in figure) and set the cursor to 0 cross point as shown in figure.
5. Open the SERVICE MENU (Refer to SEC1 Service Information.)
6. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
7. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
8. Adjust the **C05 SITE PB TMG or C08 SITE PR TMG** so that the signal timing between Y and PB or PR signal is in the specification.
9. Close the Menu.

NOTE:

Please use WFM Monitor with DIFF mode.

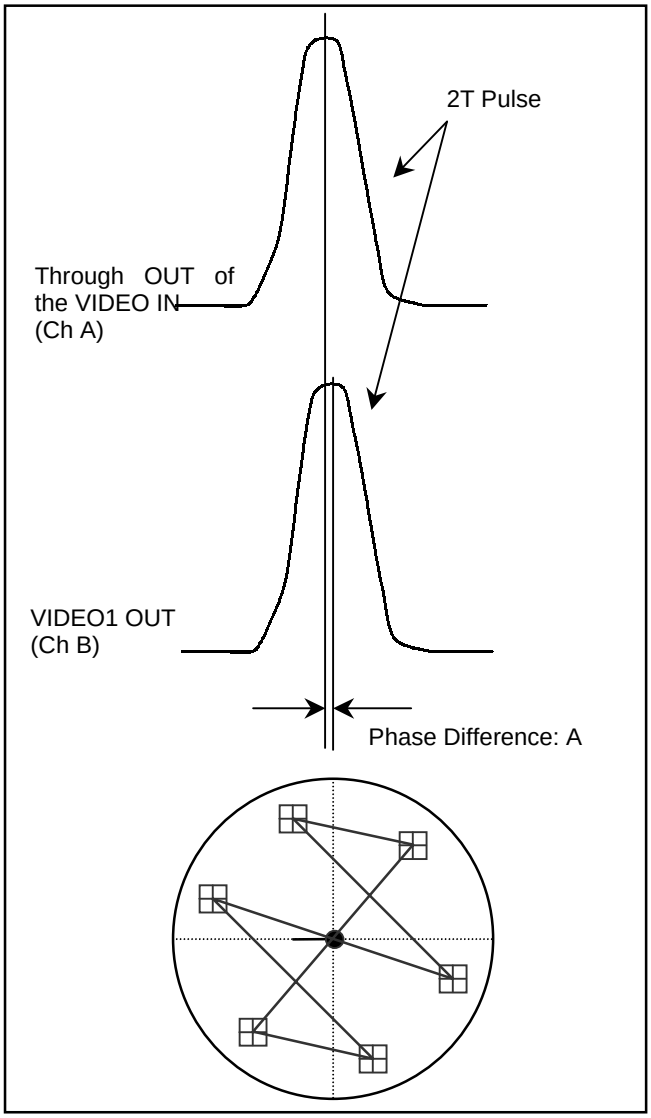


5-20.Composite Video Out Phase Adjustment

BOARD	V IN (F2A)
TP	VIDEO IN THRU VIDEO1 OUT
ADJ.	VR450 (SYNCϕ)[A-1]
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 2T modulation Signal) (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	Phase Difference A : 0 ± 10nsec

(This adjustment performs without extender board.)

1. Input Pulse and Bar signal to Video IN terminal. Adjust VR450 (SYNCϕ) so that the phase difference of 2T pulse between through out of the VIDEO IN and the VIDEO OUT 1 is in the specification.
2. Change input signal to 100% color bar signal. Then confirm that signal line on a vector scope should be linear line. If it is not, execute fine adjustment of VR450.

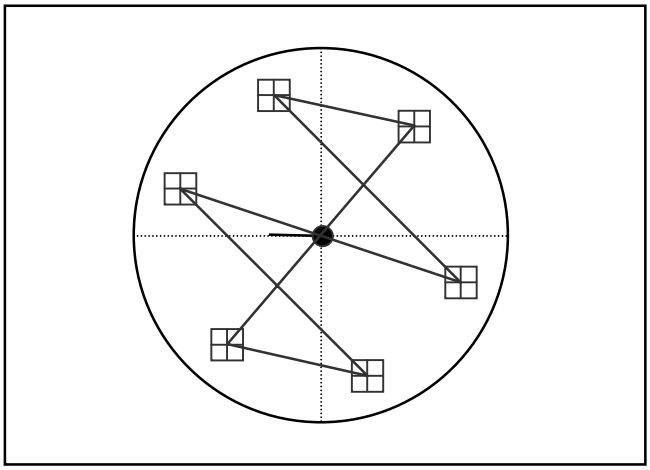


5-21.Composite Vector Adjustment

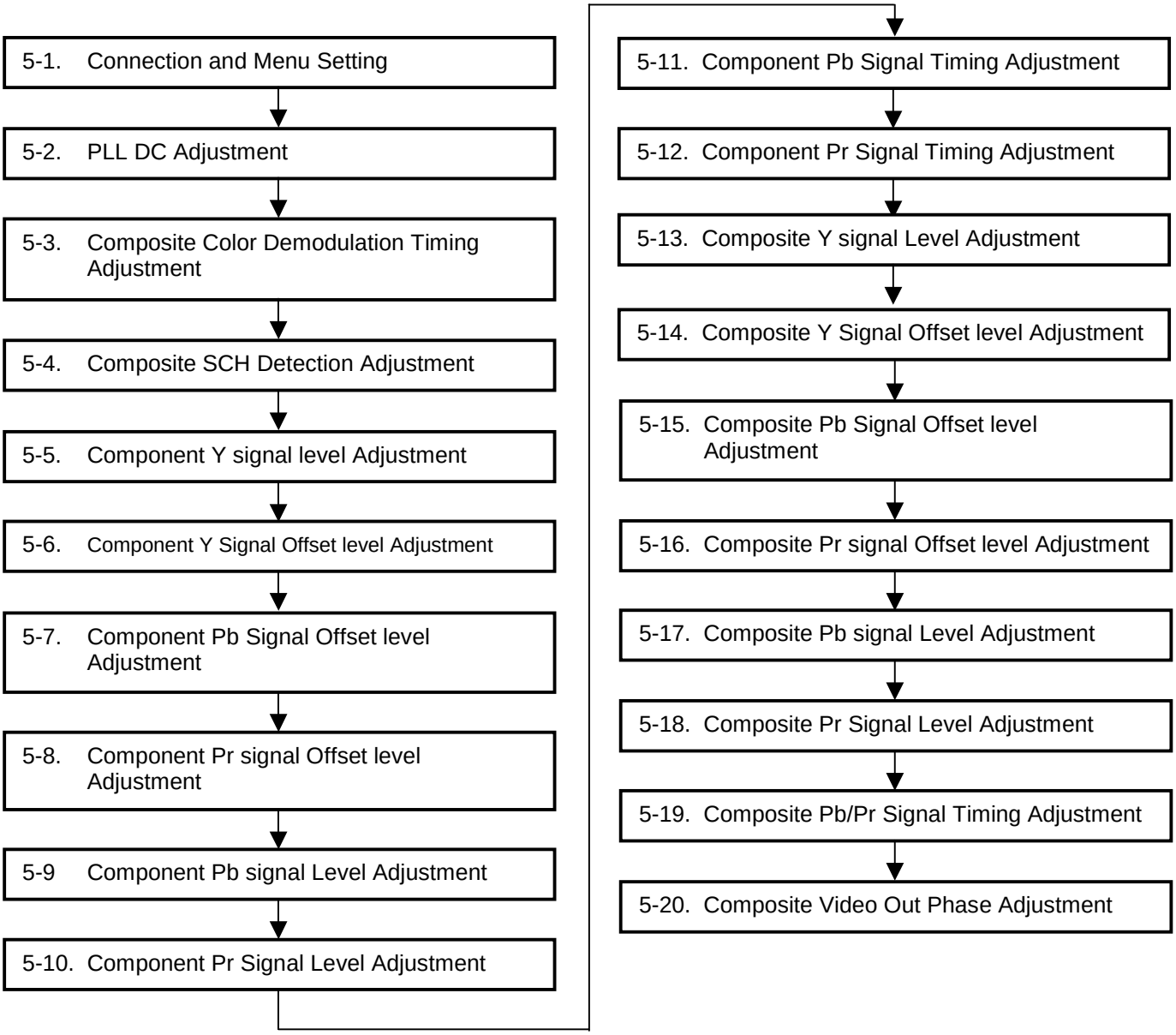
BOARD	V IN (F2A)
TP	VIDEO 1 OUT
ADJ.	C09: SITE CAXIS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (75% Color Bar with 7.5% Setup)
MODE	EE
M. EQ	Analog WFM
SPEC.	All vector dots are in the inner box

(This adjustment performs without extender board.)

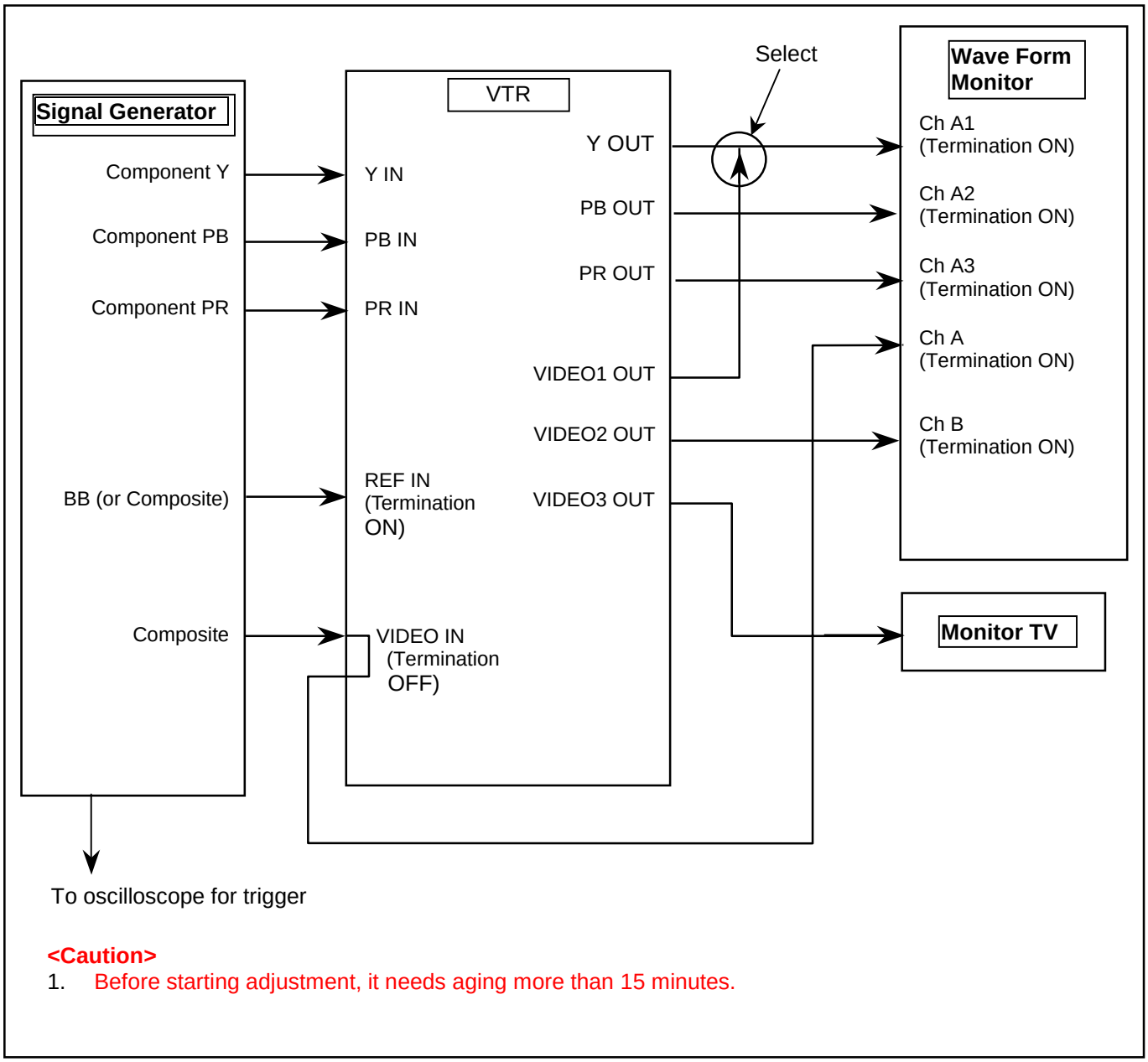
1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust **C09 SITE CAXIS** so that the all vector dots are in the inner box.
5. Close the menu.



5. V IN (F2A) (For AJ-SD755E / D755MC)



5-1. Connection and Menu Setting



<Caution>

1. Before starting adjustment, it needs aging more than 15 minutes.

5-2. PLL DC Adjustment

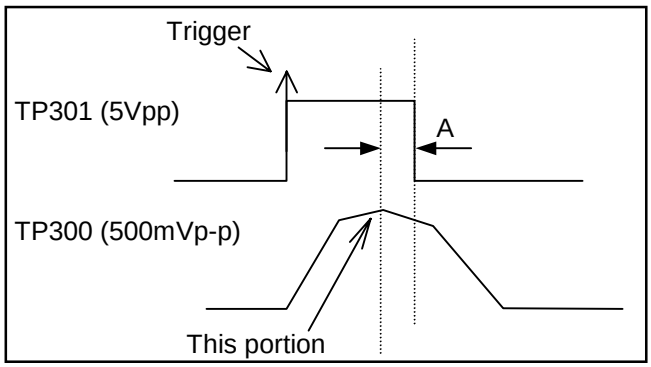
BOARD	V IN (F2A)
TP	TP450 (PLL DC)[A-2]
ADJ.	VC450 (VCO DC)[B-2]
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	DC voltage : 0 ± 0.1V

1. Connect the scope to TP450. And adjust VC450 so that the DC voltage is in the specification.

5-3. Composite Color Demodulation Timing Adjustment

BOARD	V IN (F2A)
TP	TP300(APC)[C-1], TP301(BGP)[C-1]
ADJ.	VR300 (RSTH)[B-1]
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	A= ± 1usec

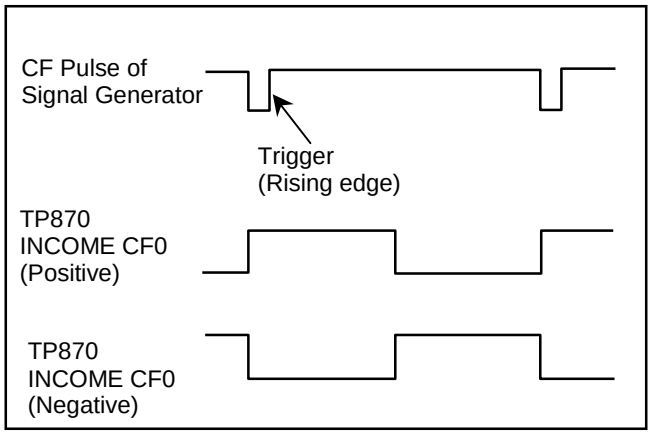
1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Turn VR300 fully clockwise and confirm that portion A is in the specification.



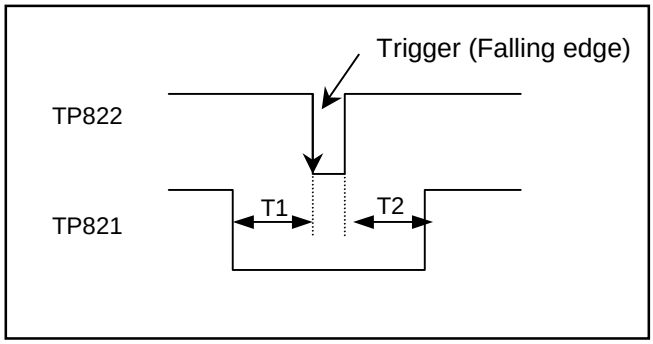
5-4. Composite SCH Detection Adjustment

BOARD	V IN (F2A)
TP	TP870 (INCF)[B-4], TP821(CF1), TP822(CF2)[A-2]
ADJ.	VR301 (SCH)[B-1]
TAPE	-----
INPUT	CF Signal of Signal Generator Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Oscilloscope
SPEC.	T1=T2 ± 0.5msec

1. Set the Video Input Select Switch on the front panel to “CMPST” (Composite).
2. Connect the scope CH1 to TP870 and CH2 to CF Pulse of the signal generator. And set the trigger channel to CH2. (Triggered by rising edge.)
3. Set VR301 fully counterclockwise.
4. If income CF0 pulse of the TP870 is positive pulse, turn the VR301 clockwise until changing from positive to negative as shown bellow.
5. Turn the VR301 clockwise slowly until just changing from negative to positive as shown below.



6. Connect the scope CH1 to TP822 and CH2 to TP821.
7. Adjust VR301 so that the low portion of TP822 is positioned at the center of low portion at TP821. (T1=T2 ± 0.5msec)

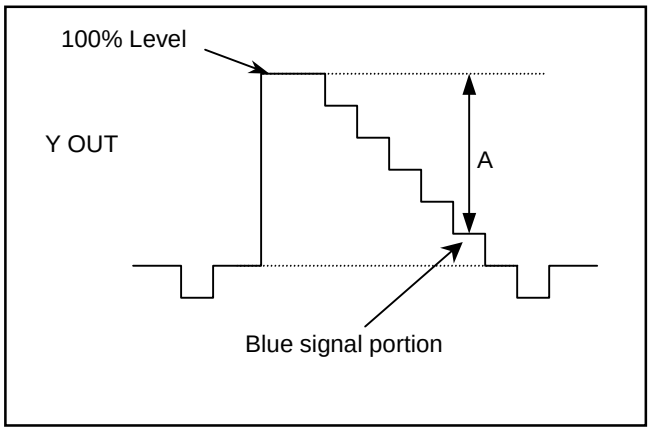


5-5. Component Y signal level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: NENT Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal(100%←→Blue) : 620 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the VIN ADJUST MENU.
3. Select **C-1: CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C01 NENT Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and blue signal portion.)
5. Close the menu.



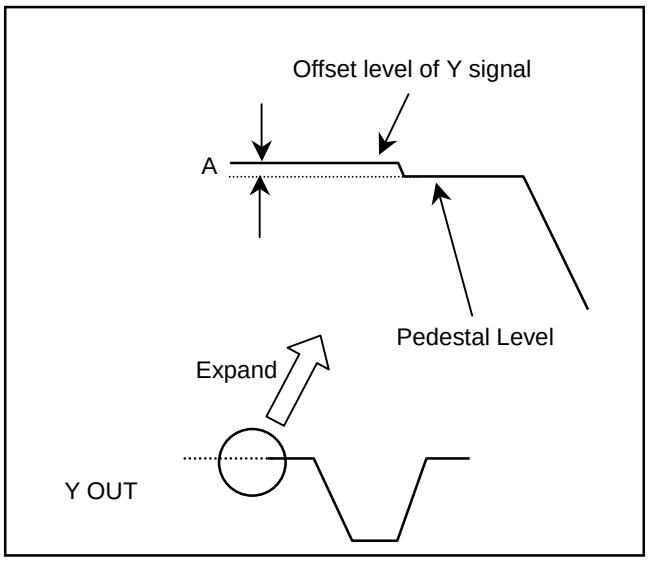
Note:
When open the "C-1: CMPNT ADJUST" page of the Service Menu, the Video Input Select is changed to ***"Y PB PR"*** *(Component Input) automatically.*
And also, when open the "C-2: CMPST ADJUST" page of the Service Menu, the Video Input Select is changed to ***"CMPST"*** *(Composite Input) automatically. However, the indicator of video input on the front panel is not changed.*

5-6. Component Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: NENT Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal(A):0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C02 NENT Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

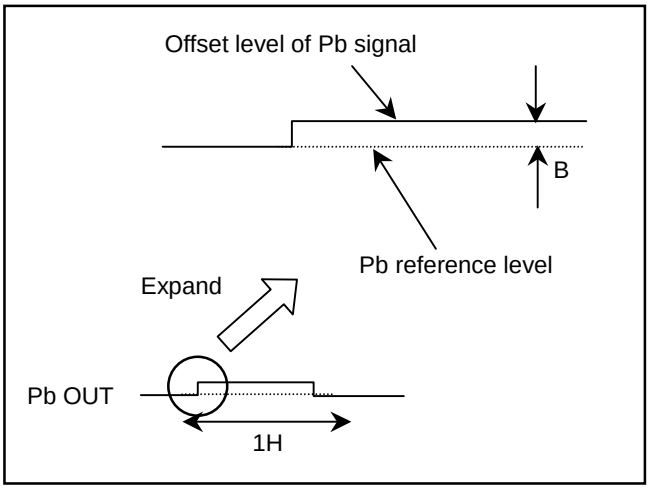


5-7. Component Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	C04: NENT PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C04 NENT PB OFS** so that the level "B" is in the specification. (Level "B" is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

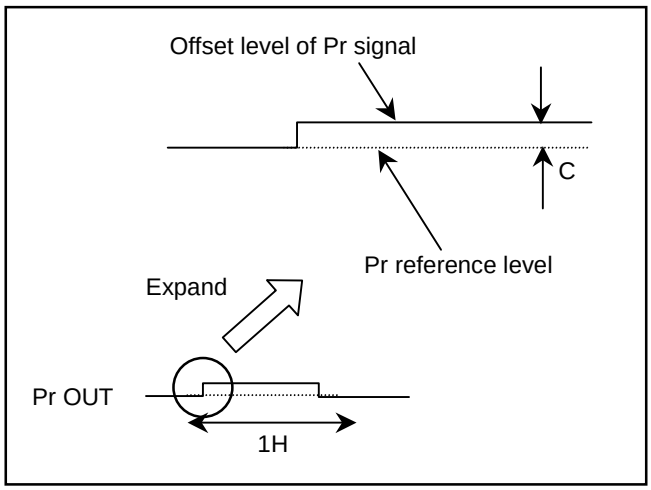


5-8. Component Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	C07: NENT PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C07 NENT PR OFS** so that the level "C" is in the specification. (Level "C" is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

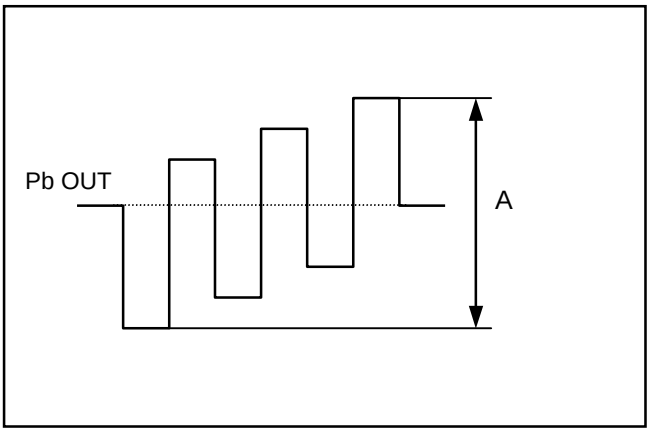


5-9 Component Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PB OUT
ADJ.	C03: NENT PB GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C03 NENT PB GAIN** so that the level "A" is in the specification.
5. Close the menu.

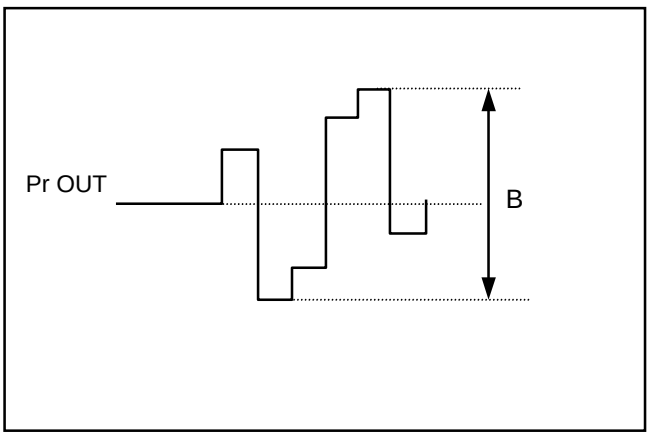


5-10.Component Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Component PR OUT
ADJ.	C06: NENT PR GAIN (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C06 NENT PR GAIN** so that the level "B" is in the specification.
5. Close the menu.

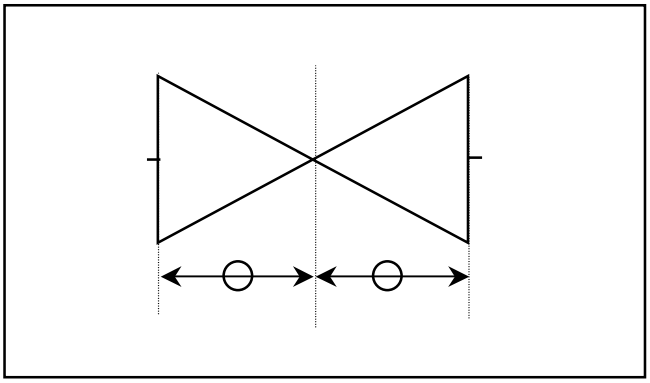


5-11.Component Pb Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pb OUT
ADJ.	C05: NENT PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C05 NENT PB TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



<Note>

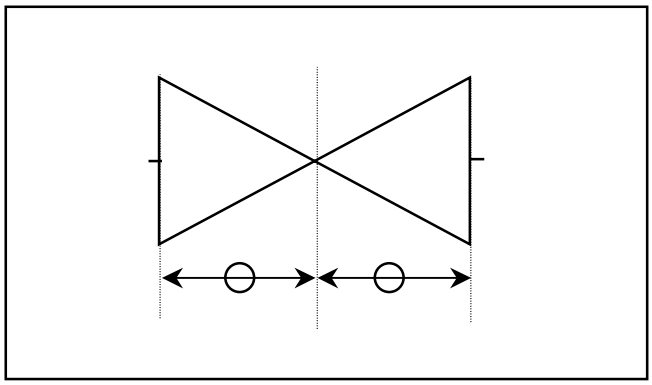
Incase of WFM does not have "Bow tie mode" (Y-Pb timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

5-12.Component Pr Signal Timing Adjustment

BOARD	V IN (F2A)
TP	Component Y/Pr OUT
ADJ.	C08: NENT PR TMG (Service Menu)
TAPE	-----
INPUT	Analog Component Signal (Bowtie)
MODE	EE
M. EQ	Analog WFM (Bowtie mode)
SPEC.	Relative Timing: 0 ± 5nsec

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-1 CMPNT ADJUST** and press the "SET" button to open the CMPNT ADJUST menu.
4. Adjust the **C08 NENT PR TMG** so that the crossing point of the Bowtie signal becomes a center (Timing = 0 ± 5nsec).
5. Close the menu.



<Note>

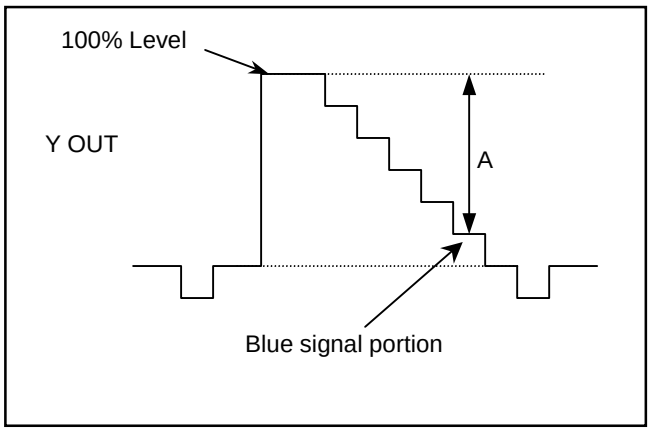
Incase of WFM does not have "Bow tie mode" (Y-Pr timing adjustment mode), if the oscilloscope has "ADD" and "INVERT" switch, it is possible to make the following waveform by those switch.

5-13.Composite Y signal Level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C01: SITE Y GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Y signal (A)(100%←→Blue) : 620 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C01 SITE Y GAIN** so that the level "A" is in the specification. (Level "A" is between 100% portion and Blue signal portion.)
5. Close the menu.

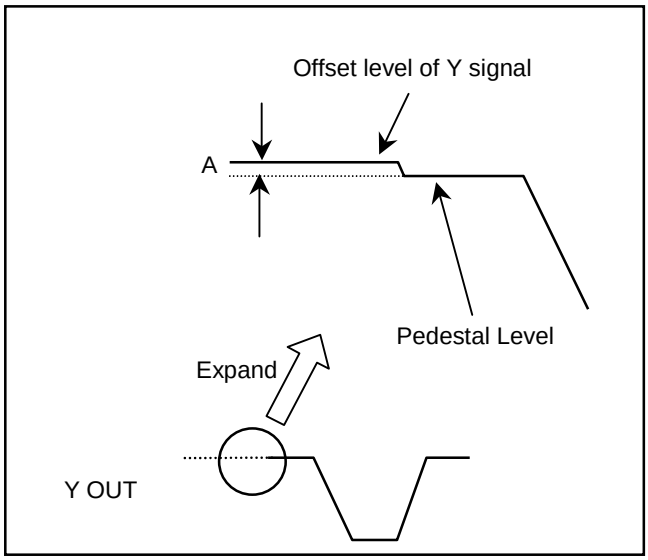


5-14.Composite Y Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Y OUT
ADJ.	C02: SITE Y OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pedestal level and the offset level of Y signal (A) : 0 ± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: V IN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C02 SITE Y OFS** so that the level "A" is in the specification. (Level "A" is the difference between the pedestal level and offset level of Y signal.)
5. Close the menu.

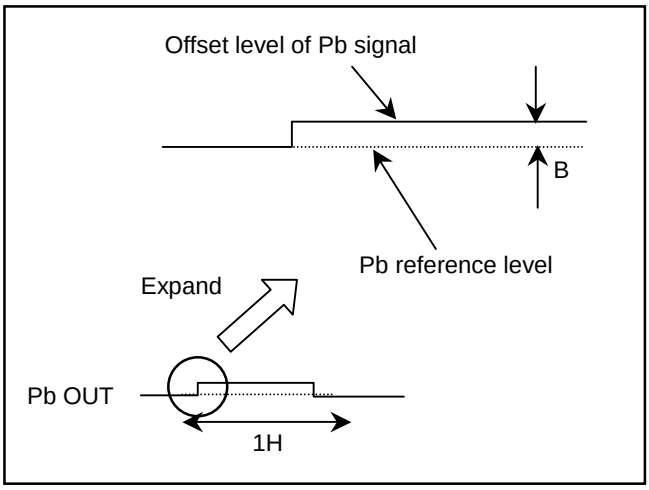


5-15.Composite Pb Signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pb OUT
ADJ.	C04: SITE PB OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pb reference level and the offset level of the Pb signal. (B) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C04 SITE PB OFS** so that the level "B" is in the specification. (Level "B" is the difference between the Pb reference level and the offset level of the Pb signal.)
5. Close the menu.

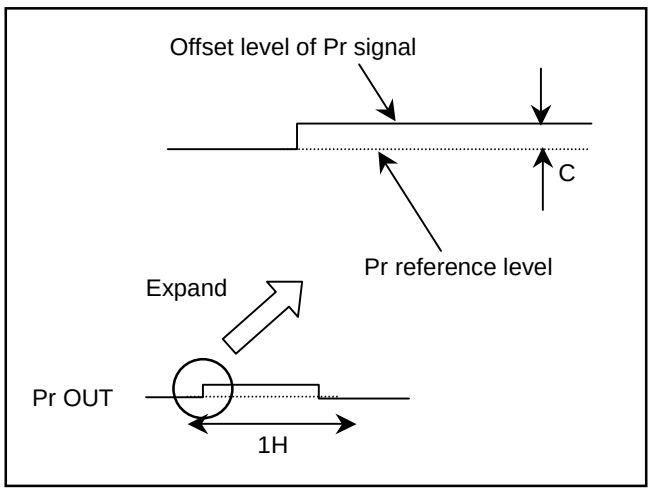


5-16.Composite Pr signal Offset level Adjustment

BOARD	V IN (F2A)
TP	Component Pr OUT
ADJ.	C07: SITE PR OFS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (0% Flat Field)
MODE	EE
M. EQ	Analog WFM
SPEC.	The difference between the Pr reference level and the offset level of the Pr signal. (C) : 0± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C07 SITE PR OFS** so that the level "C" is in the specification. (Level "C" is the difference between the Pr reference level and the offset level of the Pr signal.)
5. Close the menu.

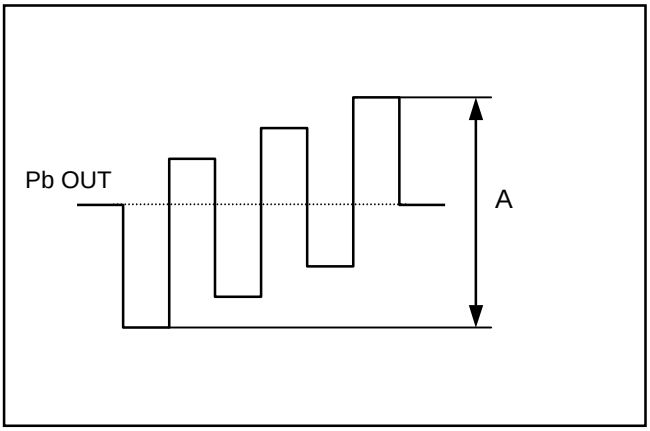


5-17.Composite Pb signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PB OUT
ADJ.	C03: SITE PB GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pb signal level (A): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C03 SITE PB GAIN** so that the level "A" is in the specification.
5. Close the menu.

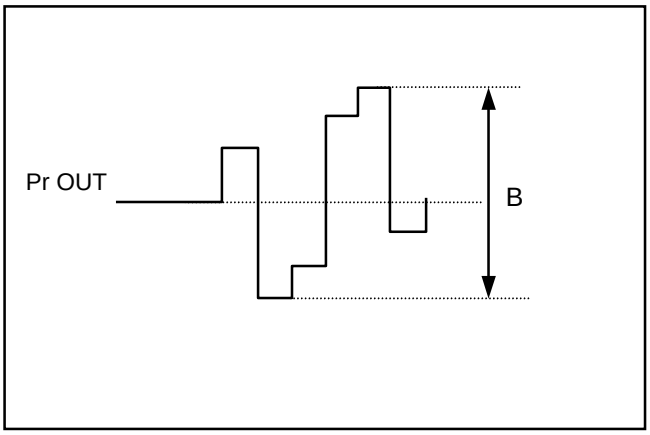


5-18.Composite Pr Signal Level Adjustment

BOARD	V IN (F2A)
TP	Composite PR OUT
ADJ.	C06: SITE PR GAIN (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Pr signal level (B): 700± 3mV

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust the **C06 SITE PR GAIN** so that the level "B" is in the specification.
5. Close the menu.



5-19.Composite Pb/Pr Signal Timing Adjustment

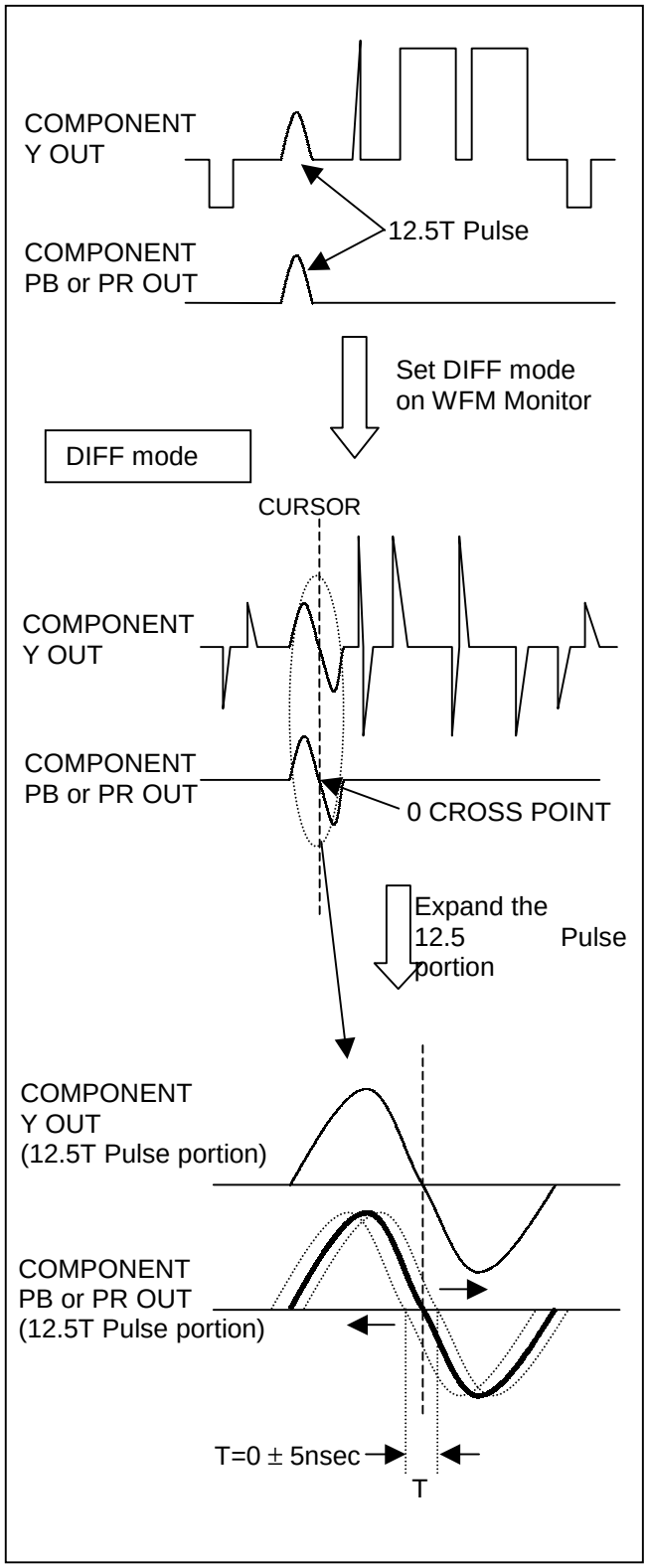
BOARD	V IN (F2A)
TP	Y, Pr, Pb OUT
ADJ.	C05: SITE PB TMG (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 12.5T modulation Signal)
MODE	EE
M. EQ	Analog WFM (DIFF mode)
SPEC.	T = 0± 5nsec

(This adjustment performs without extender board.)

1. Confirm that the 12.5T modulation signal portion of Component Y OUT is displayed correctly on the WFM as shown in figure.
2. Confirm that the 12.5T modulation signal portion of Component PB and PR OUT is displayed correctly on the WFM as shown in figure.
3. Set WFM monitor to DIFF mode. In the DIFF mode, waveform of Y and PB or PR signals are integrated as shown in figure.
4. Expand the 12.5 pulse portion (an ellipse dotted portion as indicated in figure) and set the cursor to 0 cross point as shown in figure.
5. Open the SERVICE MENU (Refer to SEC1 Service Information.)
6. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
7. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
8. Adjust the **C05 SITE PB TMG or C08 SITE PR TMG** so that the signal timing between Y and PB or PR signal is in the specification.
9. Close the Menu.

NOTE:

Please use WFM Monitor with DIFF mode.

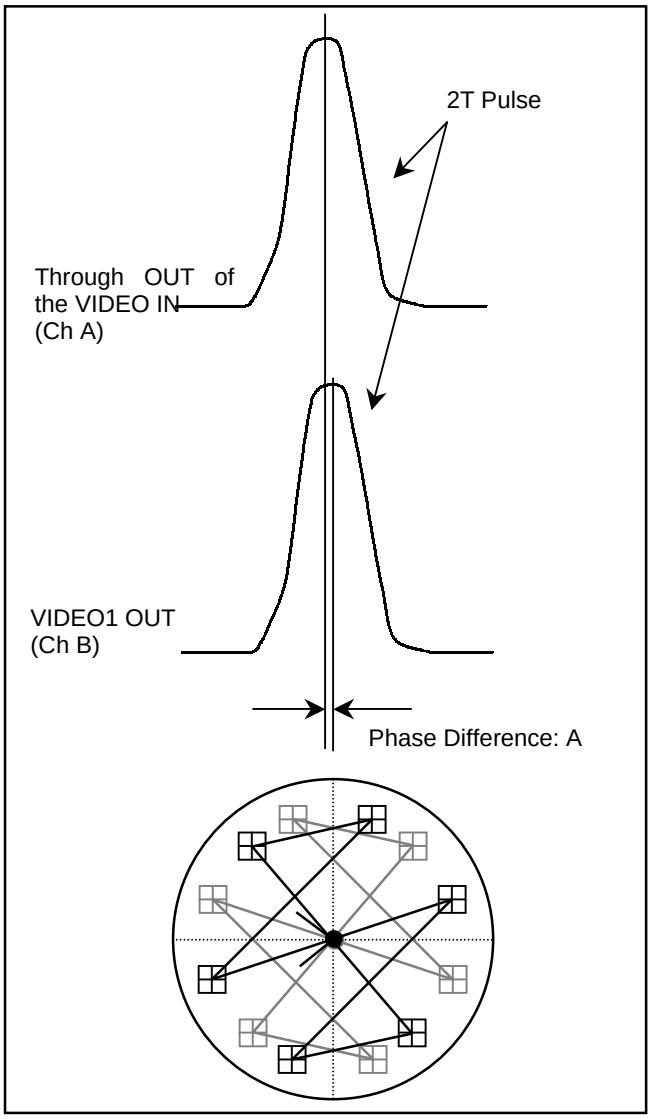


5-20.Composite Video Out Phase Adjustment

BOARD	V IN (F2A)
TP	VIDEO IN THRU VIDEO1 OUT
ADJ.	VR450 (SYNCϕ)[A-1]
TAPE	-----
INPUT	Analog Composite Signal (Pulse and Bar with 2T modulation Signal) (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	Phase Difference A : 0 ± 10nsec

(This adjustment performs without extender board.)

1. Input Pulse and Bar signal to Video IN terminal. Adjust VR450 (SYNCϕ) so that the phase difference of 2T pulse between through out of the VIDEO IN and the VIDEO OUT 1 is in the specification.
2. Change input signal to 100% color bar signal. Then confirm that signal line on a vector scope should be linear line. If it is not, execute fine adjustment of VR450.

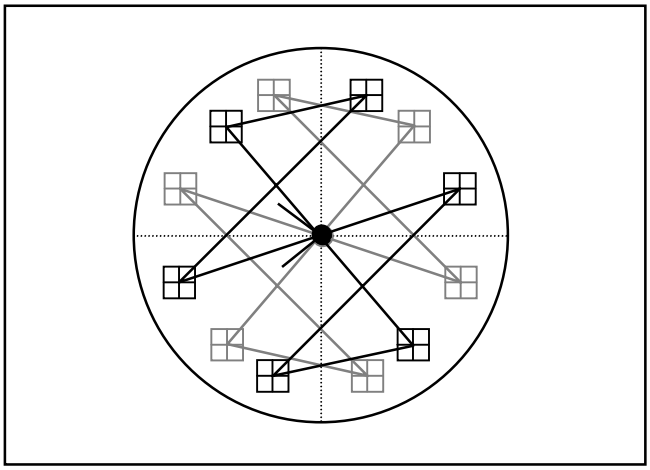


5-21.Composite Vector Adjustment

BOARD	V IN (F2A)
TP	VIDEO 1 OUT
ADJ.	C09: SITE CAXIS (Service Menu)
TAPE	-----
INPUT	Analog Composite Signal (100% Color Bar)
MODE	EE
M. EQ	Analog WFM
SPEC.	All vector dots are in the inner box

(This adjustment performs without extender board.)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **C00: VIN ADJUST** and press the "SET" button to open the V IN ADJUST MENU.
3. Select **C-2 CMPST ADJUST** and press the "SET" button to open the CMPST ADJUST menu.
4. Adjust **C09 SITE CAXIS** so that the all vector dots are in the inner box.
5. Close the menu.



6. REC/PB (F4)

6-1. Setting

< User Menu & Front Switch Setting>

1. Open the User Menu and set the items as shown below.

MENU	Setting
803 TELETEXT DET	AUTO
804 BLANK LINE	THRU

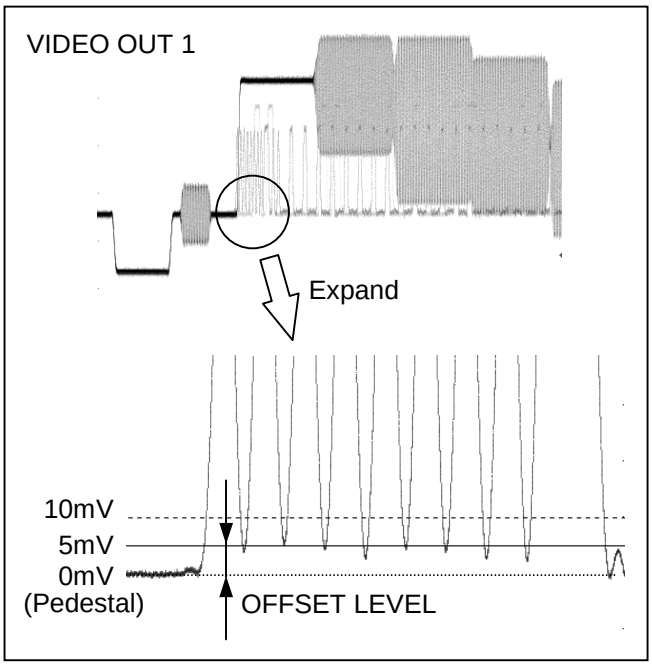
2. Set the Front Switch as shown bellow.

MODE SW	EE
TCG SW	INT REGEN
SUPER	ON

6-2. V-BLK TELETEXT OFFSET LEVEL Adjustment

BOARD	REC/PB (F4)
TP	VIDEO OUT 1
ADJ.	VR701 (TXT OFST)[B-2]
TAPE	(AJ-SD755P) VFM Alignment Tape (Color bar 0:00-5:00)
	(AJ-SD755E, AJ-D755MC) VFM Alignment Tape (Color bar 0:00-5:00)
INPUT	-----
MODE	Playback
M. EQ	Analog WFM or Oscilloscope
SPEC.	(AJ-SD755P) Average 0mV± 5mV
	(AJ-SD755E, AJ-D755MC) Average 5mV± 5mV

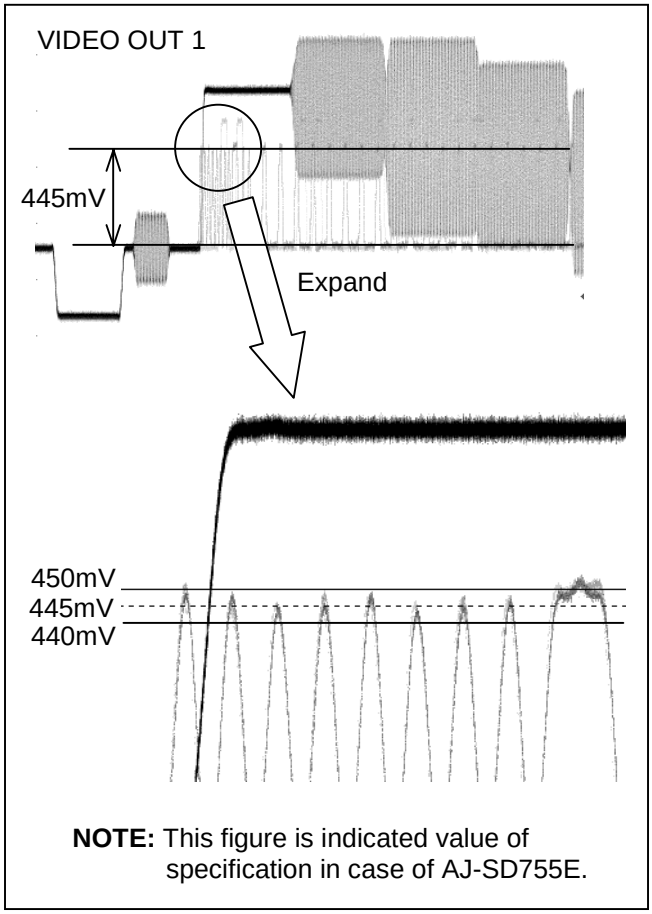
1. Adjust VR701 so that the TELETEXT offset level is in the specification as shown in figure.



6-3. V-BLK TELETEXT LEVEL Adjustment

BOARD	REC/PB (F4)
TP	VIDEO OUT 1
ADJ.	VR700 (TXT LEVEL)[B-2]
TAPE	(AJ-SD755P) VFM3584KM Alignment Tape (Color bar 0:00-5:00)
	(AJ-SD755E, AJ-D755MC) VFM3684KM Alignment Tape (Color bar 0:00-5:00)
INPUT	-----
MODE	Playback
M. EQ	Analog WFM or Oscilloscope
SPEC.	(AJ-SD755P) Average 500mV± 5mV (Pedestal-maximum portion of teletext)
	(AJ-SD755E, AJ-D755MC) Average 445mV± 5mV (Pedestal-maximum portion of teletext)

1. Adjust VR700 so that the TELETEXT level is in the specification as shown in figure.



NOTE: This figure is indicated value of specification in case of AJ-SD755E.

7. AUDIO (F1) & RF/CUE

7-1. Setting and VR Location

1. Set the audio impedance switches on the Audio (F1) board as shown below.

   SW100(CH1) : HIGH SW101(CH2) : HIGH

2. Set the Front Switch as shown bellow.

REC VR(CH1,CH2)	Center
UNITY/VAR	UNITY
Audio Input Select	ANALOG
REMOTE/LOCAL	LOCAL
HEAD PHONES	L(CH1) R(CH2)
HP VR	Center

1. Set the Audio Analyzer as shown below.

Audio Analyzer	
GENERATOR OUTPUT	50Ω (A&B, BAL, FLOAT)
ANALYZER CHA INPUT	100KΩ
ANALYZER CHB INPUT	100KΩ
UNIT SETTING	dBu

<Service Menu Setting>

1. Open the Service Menu. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST**.
3. Set the items as shown below

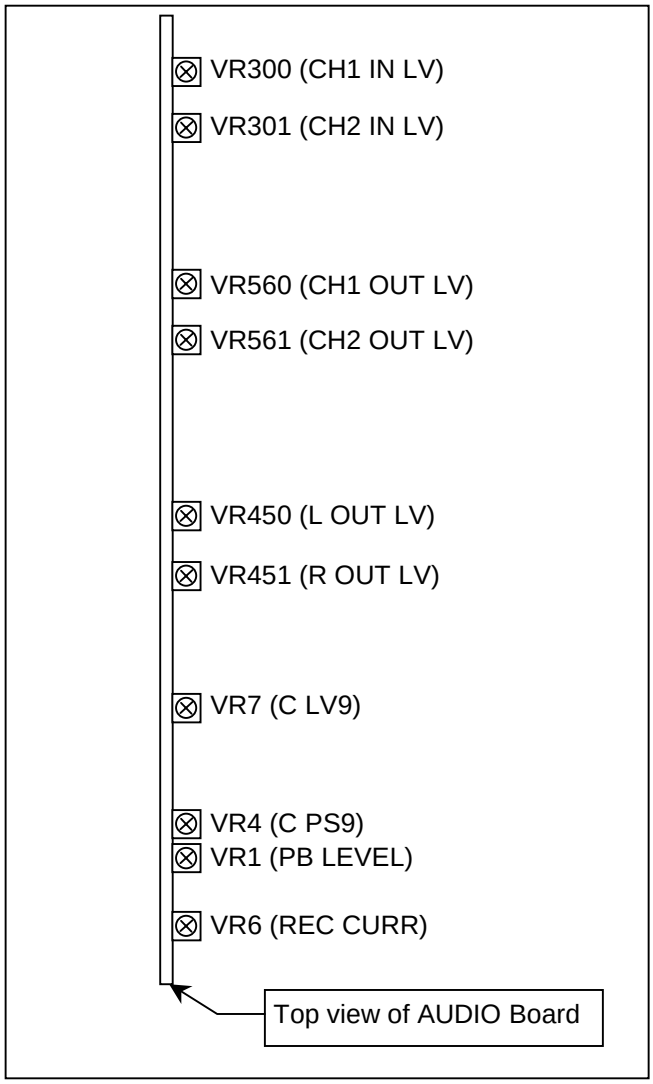
MENU	Setting
G02:REF LEVEL2	0dB
G03:REF LV INI	0dB (AJ-SD755P/E) +4dB (AJ-D755MC)
G05:MIC IN LV	ENA
G06:AES PHS CORR	NORMAL
G09:LINE OUT CUE	OFF

<User Menu Setting>

1. Open the User Menu and set the items as shown below.

MENU	Setting	
	AJ-SD755P/E	AJ-D755MC
701 CH1 IN LEV	0dB	+4dB
702 CH2 IN LEV	0dB	+4dB
706 CH1 OUT LEV	0dB	+4dB
707 CH2 OUT LEV	0dB	+4dB
711 MONIL OUT LV	0dB	+4dB
712 MONIR OUT LV	0dB	+4dB
713 MONIR OUT	VAR	VAR
722 REC CH1	CH1	CH1
723 REC CH2	CH2	CH2
726 REC CUE	CH1	CH1
750 DV PB ATT	OFF	OFF
752 DV OUTPUT	ST1	ST1
753 REF LEVEL	FS-20 (P) FS-18 (E)	FS-18

<VR Location of AUDIO Board>



7-2. CH1, CH2 Output Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1,2 MON L,R)
ADJ.	VR560 (CH1 OUT LV)[G-2] VR561 (CH2 OUT LV)[G-2] VR450 (L OUT LV)[E-2] VR451 (R OUT LV)[D-2]
TAPE	-----
INPUT	INT SG
MODE	EE
M. EQ	Audio Analyzer
SPEC.	0dBu ± 0.2dB (AJ-SD755P/E) +4dBu ± 0.2dB (AJ-D755MC)

1. Set the AUDIO INPUT SELECT switch to **"SG"**.
2. Adjust VR560 so that the CH1 OUT level is in the specification.
3. Adjust VR561 so that the CH2 OUT level is in the specification.
4. Adjust VR450 so that the MON L OUT level is in the specification.
5. Adjust VR451 so that the MON R OUT level is in the specification.

< For AJ-SD755P >

6. Confirm that the level meter (CH1-2, CUE) on the front panel is displayed at –20dB.

< For AJ-SD755E / D755MC >

6. Confirm that the level meter (CH1-2, CUE) on the front panel is displayed at –18dB.

7-3. CH1, CH2 Input Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1-4)
ADJ.	VR300 (CH1 IN LV)[J-2] VR301 (CH2 IN LV)[J-2]
TAPE	-----
INPUT	LINE IN CH1-4 (1KHz 0dBu, Sinewave)
MODE	EE
M. EQ	Audio Analyzer
SPEC.	0dBu ± 0.2dB (AJ-SD755P/E) +4dBu ± 0.2dB (AJ-D755MC)

1. Set the AUDIO INPUT SELECT switch to **"ANALOG"**.
2. Adjust VR300 so that the CH1 OUT level is in the specification.
3. Adjust VR301 so that the CH2 OUT level is in the specification.

7-4. REC VR Center Adjustment

BOARD	AUDIO (F1)
TP	LINE OUT (CH1,2)
ADJ.	G10: VR ADJUST (Service Menu)
TAPE	-----
INPUT	INT SG
MODE	EJECT
M. EQ	Audio Analyzer
SPEC.	UNITY and VAR of CENTER click portion are same level.

1. Set the UNITY/VAR SW to "UNITY".
2. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
3. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
4. Select **G10 VR ADJUST** and press the "SET" button to open the VR ADJUST menu.

SERVICE-MENU: VR ADJ

NO. 00 – 255

* 00	:	CH1 VR LEVEL	-	130
		BACKUP	-	130
* 01	:	CH2 VR LEVEL	-	127
		BACKUP	-	127
* 02	:	CH3 VR LEVEL	-	122
		BACKUP	-	122
* 03	:	CH4 VR LEVEL	-	131
		BACKUP	-	131

NOTE: CH3 VR LEVEL and CH4 VR LEVEL are apply to PB VR CH1 and 2 on front panel.

5. Set the Audio level VR and PB level VR(CH1,2) to "CENTER (Click portion)".
6. Press the "SEARCH" button to adjust the center level of REC VR and PB VR. (The numeric number for CH1,2 is changed simultaneously.)
7. Set the UNITY/VAR SW to "VAR". And close the menu. (Press the MENU button 3 times)
8. Confirm that the output level of each channel is same level at both setting of "UNITY" and "VAR (Center)"

7-5. CUE BIAS CURRENT Adjustment

BOARD	RF/CUE
TP	TP4005 [RF/CUE Board] TP4006 (GND) [RF/CUE Board]
ADJ.	VR4001(BIAS), FL4001(Core)
TAPE	Blank Tape
INPUT	No audio input
MODE	REC
M. EQ	VTVM (Wide mode)
SPEC.	7mVrms ± 0.5 mVrms

1. Set the VR4001 (BIAS) to the center position.
2. Connect the Vacuum Tube Voltmeter between TP4005 (HOT) and TP4006 (GND).
   Adjust FL4001 and VR4001 so that the voltage is in the specification.

<Note>
Adjustment position of VR4005 should not be maximum position. If it is maximum position, adjust FL4001.

7-6. CUE PB Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	G09: LINE OUT CUE (Service Menu) VR5001 (PB LEVEL)[B-1]
TAPE	NTSC: VFM3580KM/KL(0:00-14:00) PAL: VFM3680KM/KL(0:00-14:00)
INPUT	-----
MODE	Playback
M. EQ	Audio Analyzer
SPEC.	0dBu ± 1.0dB (AJ-SD755P/E) +4dBu ± 1.0dB (AJ-D755MC)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Playback the Adjustment Tape, and adjust VR5001 (PB LEVEL) so that the LINE OUT CH1 level is in the specification.
5. Close the menu.

<Caution>
1. Clean the A/C head, before this adjustment is executed.
2. Confirm the tape path condition around A/C head.

7-7. CUE REC/PB Level Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	VR5006 (REC CURR)[A-1]
TAPE	Blank Tape
INPUT	AUDIO IN CH1,2 (1KHz 0dBu Sinewave)
MODE	SELF-REC / PLAY
M. EQ	Audio Analyzer
SPEC.	0dBu ± 1.0dB (AJ-SD755P/E) +4dBu ± 1.0dB (AJ-D755MC)

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>
During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Open the SET UP MENU by pressing the "MENU" button.
   Select the **"726 REC CUE"** item and set it to the **"CH1"**. After that press the "SET" button.
5. Supply a 1kHz, 0dBu sinewave signal into the AUDIO IN (Both CH1 and CH2) and record the input signal for few minutes.
6. Playback the just recorded portions and confirms that the AUDIO OUT (CH1) is in the specification.
7. If it is not, slightly adjust VR5006 and then repeat step 3 to 5 until it is in the specification.

7-8. CUE Noise Cancel Adjustment

BOARD	AUDIO (F1)
TP	AUDIO OUT (CH1)
ADJ.	VR5004 (C_PS9)[B-1] VR5007 (C_LV9)[C-1]
TAPE	Blank Tape
INPUT	No audio input
MODE	SELF-REC / PLAY
M. EQ	Audio Analyzer, Oscilloscope
SPEC.	(AJ-SD755P/E) Noise level = Less than -40dBu (AJ-D755MC) Noise level = Less than -36dBu

<Use Audio Analyzer>

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>

During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Place the unit in the no audio mode and record few minute.
5. Set the Audio analyzer as follows.
   MEASURE : BANDPASS
   BP/BR FREQ : 600Hz
   FILTER : OFF
6. Set BP/BR FREQ to 600Hz and playback the no audio portion.
7. Adjust VR5007 and VR5004 alternately so that the noise level of CH1 out is minimized. And confirm the noise level is in the specification.

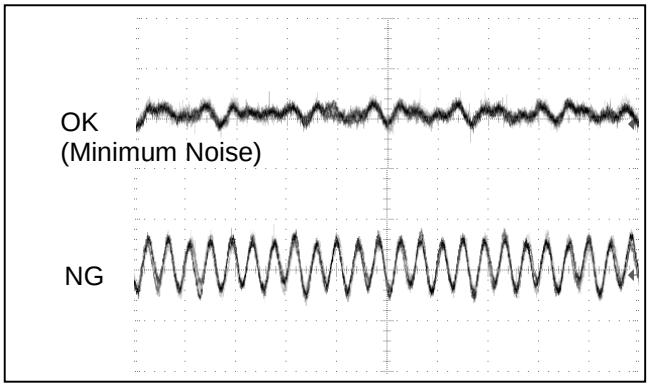
<Use Oscilloscope>

1. Open the SERVICE MENU. (Refer to SEC1 Service Information.)
2. Select the **G00: AUDIO ADJUST** and press the "SET" button to open the AUDIO ADJUST MENU.
3. Set the **G09 LINE OUT CUE** to ON.

<Caution>

During this adjustment, do not close the Service Menu. The setting of G09 LINE OUT CUE will be reset to OFF automatically.

4. Connect the oscilloscope CH1 to Audio CH1 out.
5. Place the unit in the no audio mode and record few minute.
6. Playback the no audio portion and adjust VR5007 and VR5004 alternately so that the noise level (A) of CH1 out is minimized.



8. TP, VR AND SW LOCATION

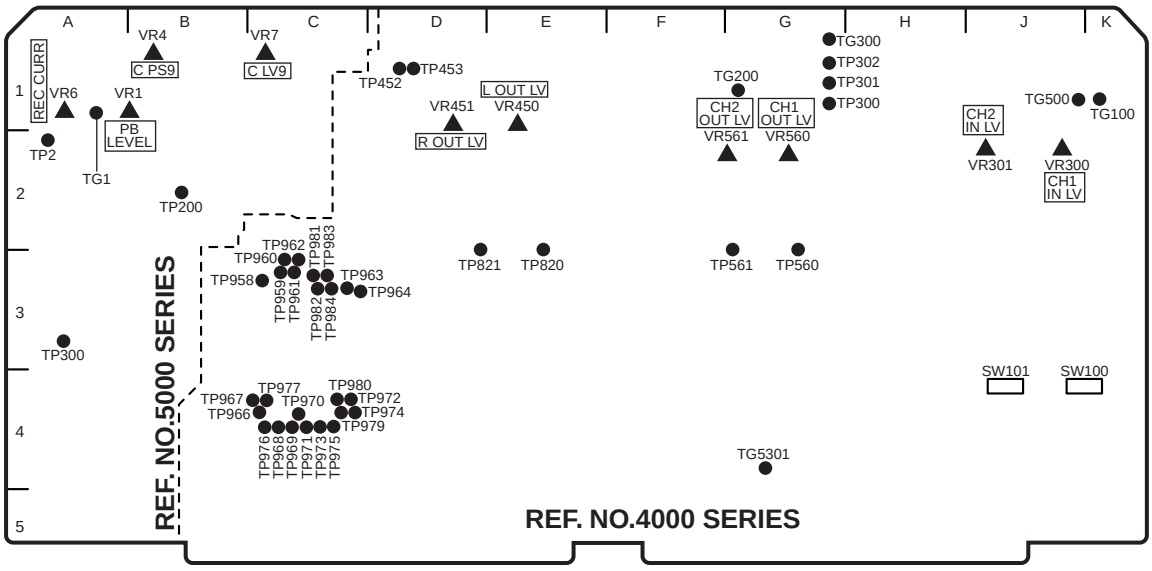
8-1. F1:AUDIO P.C.BOARD (VEP84383C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4455	E1	IC5204	A2	Q4565	G2	Q4821	D4	Q5302	B5
IC4456	E1	P4001	G5	Q4568	G4	Q4822	E2	Q5304	A4
IC4459	D1	P4002	D5	Q4569	F4	Q4823	D2	QR4450	D2
IC4460	D1	Q4450	D2	Q4692	F4	Q4826	E4	QR4451	C2
IC4951	C4	Q4451	D2	Q4693	E4	Q4827	D4	QR4452	E1
IC5013	C2	Q4452	D2	Q4694	F2	Q5200	A3	QR4453	E1
IC5016	C2	Q4453	C2	Q4695	F2	Q5201	A3		
IC5017	C2	Q4562	G4	Q4698	F4	Q5202	B2		
IC5019	B2	Q4563	F4	Q4699	E4	Q5300	A3		
IC5020	A2	Q4564	G2	Q4820	E4	Q5301	A5		

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC4100	J3	IC4300	G1	IC4561	F2	IC4832	D2	IC5303	B4	Q5567	G4	TP4561	G2	TP4984	C3
IC4101	J3	IC4301	J2	IC4562	G2	IC4950	B4	IC5304	A3	Q5696	F4	TP4820	E2	TP5002	A2
IC4102	J3	IC4302	J2	IC4563	F2	IC4952	C3	IC5306	A4	Q5697	E4	TP4821	D2	TP5200	B2
IC4103	J3	IC4303	H2	IC4564	G3	IC4953	B4	IC5307	A3	Q5824	E4	TP4958	C3	TP5300	A3
IC4104	J4	IC4304	G2	IC4565	G3	IC5001	A2	IC5308	A3	Q5825	D4	TP4959	C3	VR4300	J2
IC4105	J4	IC4306	J1	IC4566	G3	IC5002	B2	IC5309	B3	QR4454	E1	TP4960	C3	VR4301	J2
IC4106	J3	IC4307	G1	IC4567	F3	IC5003	B1	IC5310	B3	QR4455	E1	TP4961	C3	VR4450	E1
IC4107	J3	IC4308	J1	IC4690	F2	IC5004	A2	IC5311	B3	QR4560	G2	TP4962	C3	VR4451	D1
IC4109	J2	IC4309	H1	IC4691	E2	IC5005	B1	IC5313	B3	QR4561	F1	TP4963	C3	VR4560	G2
IC4110	J3	IC4310	H1	IC4692	F2	IC5006	B1	IC5401	D3	QR4562	G2	TP4964	C3	VR4561	G2
IC4111	J3	IC4311	F1	IC4693	E2	IC5007	C1	IC5402	D4	QR4563	F2	TP4966	C4	VR5001	B1
IC4112	K3	IC4312	F1	IC4694	F3	IC5008	B1	IC5404	D4	QR4690	F1	TP4967	C4	VR5004	B1
IC4113	J3	IC4313	H1	IC4695	E3	IC5009	A2	IC5405	D3	QR4691	E1	TP4968	C4	VR5006	A1
IC4200	H3	IC4314	H1	IC4696	F3	IC5010	A1	IP5400	C2	QR4692	F2	TP4969	C4	VR5007	C1
IC4201	H3	IC4315	F1	IC4697	E3	IC5011	B2	P4001	G5	QR4693	E1	TP4970	C4		
IC4202	H3	IC4316	F1	IC4820	E2	IC5012	C1	P4002	D5	TG4100	K1	TP4971	C4		
IC4203	H3	IC4450	D1	IC4821	D2	IC5015	B2	P5400	C1	TG4200	G1	TP4972	C4		
IC4204	H4	IC4451	H1	IC4822	E2	IC5021	B1	Q4454	E1	TG4300	G1	TP4973	C4		
IC4205	H4	IC4452	J1	IC4823	D2	IC5022	A2	Q4455	D1	TG4500	J1	TP4974	C4		
IC4206	H3	IC4453	E1	IC4824	E2	IC5200	B2	Q4560	G2	TG5001	A1	TP4975	C4		
IC4207	G3	IC4454	D1	IC4825	D2	IC5201	A3	Q4561	F2	TG5301	G4	TP4976	C4		
IC4208	H2	IC4457	E1	IC4826	E2	IC5202	B2	Q4690	F2	TP4300	G1	TP4977	C4		
IC4209	G2	IC4458	D1	IC4827	E3	IC5203	A3	Q4691	E1	TP4301	G1	TP4979	C4		
IC4210	H3	IC4463	E2	IC4828	D2	IC5206	A3	Q4828	D3	TP4302	G1	TP4980	C4		
IC4211	G3	IC4464	D2	IC4829	D3	IC5300	A3	Q4829	D3	TP4452	D1	TP4981	C3		
IC4212	H3	IC4465	H1	IC4830	E3	IC5301	A4	Q5303	A4	TP4453	D1	TP4982	C3		
IC4213	H3	IC4560	G2	IC4831	D3	IC5302	A4	Q5566	G4	TP4560	G2	TP4983	C3		



(COMPONENT SIDE)

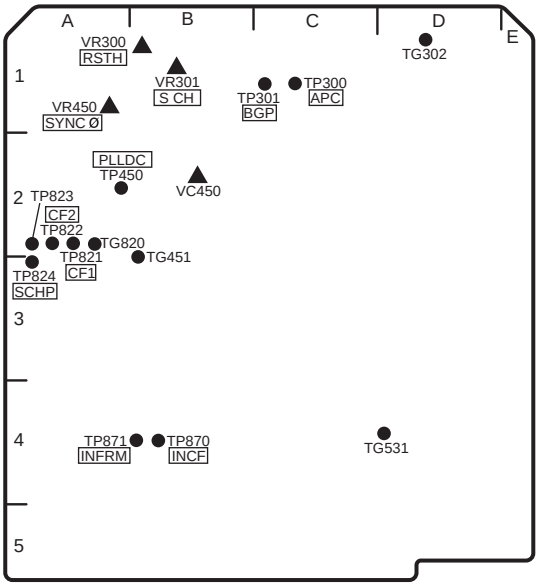
8-2. F2A:V_IN P.C.BOARD (VEP83594B/A)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	D2	IC13	D1	IC101	D4	IC600	C3	Q101	D4	Q350	C2	Q453	A2	Q539	C4	Q704	C3
IC2	B4	IC14	C4	IC150	D3	IC602	C3	Q102	D4	Q351	B2	Q454	B2	Q540	C4	Q705	C3
IC3	B3	IC15	D4	IC151	D3	IC603	B3	Q150	D4	Q352	B2	Q500	C4	Q602	C3	Q706	B3
IC4	B2	IC16	B1	IC153	D2	IC700	D3	Q152	D3	Q353	C2	Q501	C4	Q604	C3	Q707	C3
IC5	D2	IC17	C1	IC300	B1	IC702	C3	Q252	C2	Q354	C2	Q502	C4	Q605	C3	Q710	B3
IC6	D3	IC18	C4	IC302	C1	IC703	B3	Q253	C2	Q355	C2	Q504	C4	Q606	B3		
IC7	D3	IC19	A2	IC303	B1	IC800	A3	Q254	C2	Q357	B2	Q530	C4	Q607	C3		
IC8	D4	IC20	D1	IC304	C1	IC822	A3	Q258	C2	Q358	C2	Q531	C4	Q609	B3		
IC9	C1	IC21	D4	IC306	C1	IC823	A3	Q259	C2	Q450	A1	Q532	C4	Q610	C3		
IC10	B2	IC22	A4	IC531	C4	IC824	B3	Q260	C2	Q451	A1	Q535	B4	Q702	C3		
IC12	A2	IC100	D4	IC533	B4	P3001	B5	Q301	C1	Q452	A2	Q536	B4	Q703	C3		

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC11	C4	IC352	C2	IC532	B4	IC901	A4	Q156	D3	Q601	C3	TP300	C1	VR301	B1
IC102	D5	IC400	D3	IC534	C4	IC902	A4	Q250	C1	Q603	C3	TP301	C1	VR450	A1
IC152	D3	IC450	B2	IC601	C3	IC950	A1	Q251	C1	Q608	C3	TP450	A2		
IC154	D4	IC451	B2	IC604	B3	IP950	A1	Q255	C2	Q700	D2	TP821	A2		
IC200	D1	IC452	A2	IC701	C3	P3001	B5	Q256	C2	Q701	C2	TP822	A2		
IC201	D2	IC453	A2	IC704	B3	P3950	C1	Q257	C2	Q708	C3	TP823	A2		
IC202	D1	IC454	A2	IC820	A3	Q100	D4	Q261	C2	Q709	C3	TP824	A3		
IC301	B1	IC455	A2	IC821	A4	Q151	D4	Q300	C1	TG302	D1	TP870	B4		
IC305	B1	IC456	A2	IC870	B4	Q153	D3	Q356	C2	TG451	B2	TP871	B4		
IC350	B2	IC457	B2	IC871	B4	Q154	D3	Q503	C4	TG531	D4	VC450	B2		
IC351	B2	IC530	C4	IC900	B4	Q155	D3	Q600	D3	TG820	A2	VR300	B1		

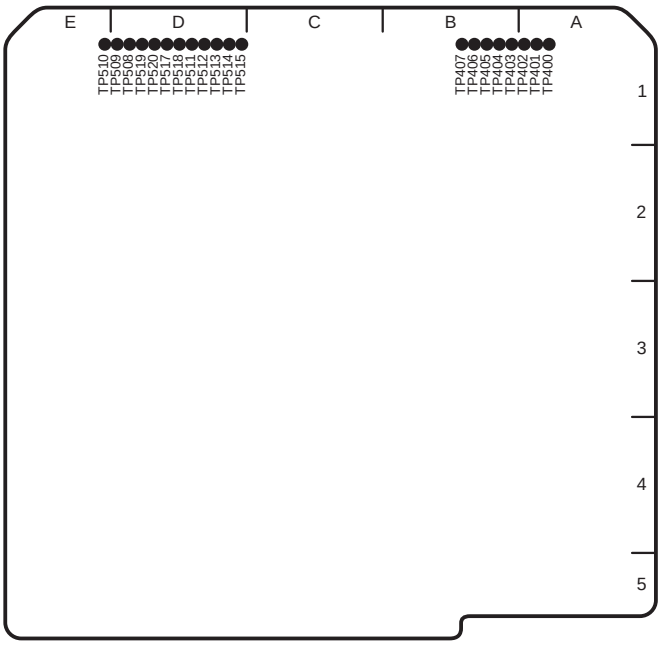


(COMPONENT SIDE)

8-3. F2B:A_PROC P.C.BOARD (VEP84384B)

FOIL SIDE

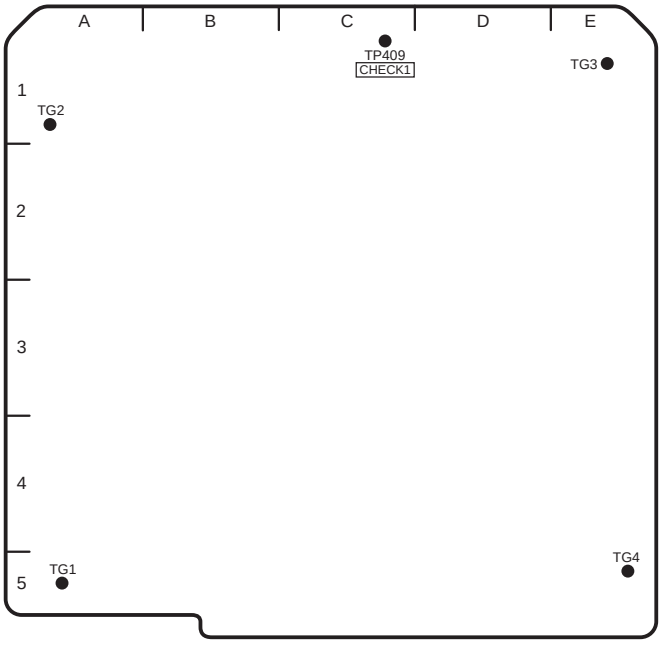
REF	LOC	REF	LOC	REF	LOC	REF	LOC
P1	D5	TP405	B1	TP511	D1	TP518	D1
TP400	A1	TP406	B1	TP512	D1	TP519	D1
TP401	A1	TP407	B1	TP513	D1	TP520	D1
TP402	A1	TP508	D1	TP514	D1		
TP403	B1	TP509	D1	TP515	D1		
TP404	B1	TP510	E1	TP517	D1		



(FOIL SIDE)

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC52	A1	IC151	B3	IC400	B2	IC552	A3	IC652	C2	TG3	E1
IC53	D4	IC152	D4	IC450	C3	IC553	A2	IP351	C1	TG4	E5
IC100	E4	IC300	B4	IC451	C3	IC554	A2	P1	D5	TP409	C1
IC101	D4	IC301	C4	IC500	D3	IC601	D2	P350	B1		
IC102	D4	IC302	B4	IC550	A4	IC602	D2	TG1	A5		
IC150	B3	IC350	D4	IC551	A3	IC651	C2	TG2	A1		

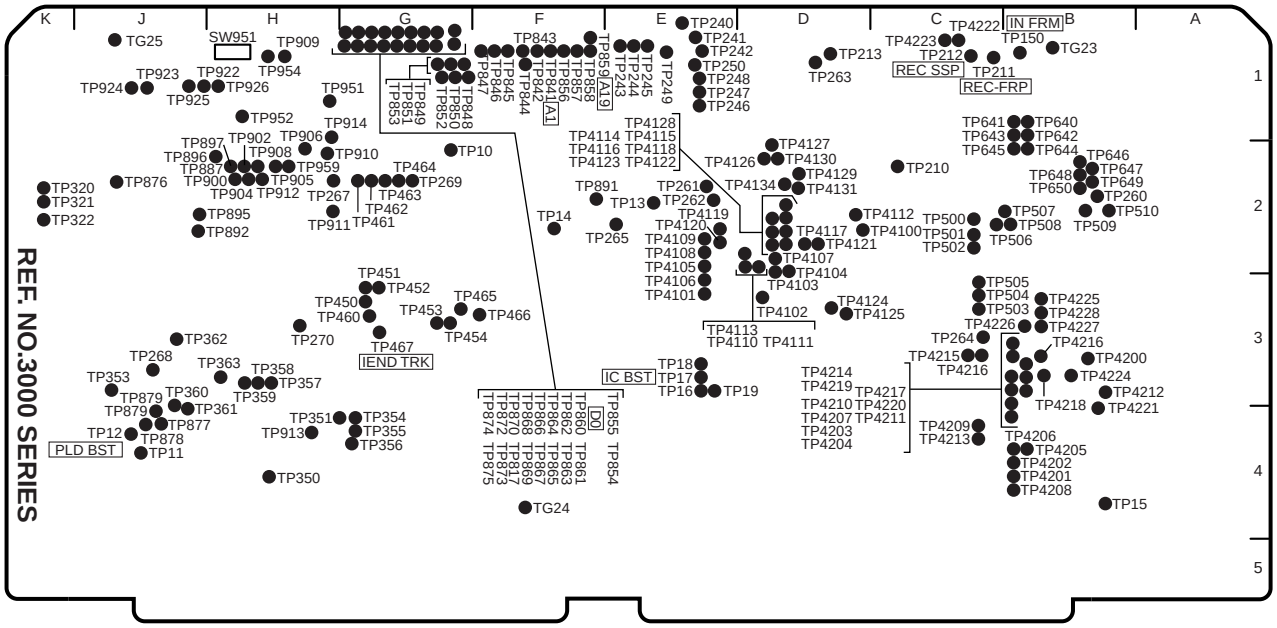


(COMPONENT SIDE)

8-4. F4:REC PB P.C.BOARD (VEP83629E/D)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3013	G1	IC3353	J3	IC3958	H1	TP3212	C1	TP3359	H3	TP3645	B2	TP3869	G1	TP3952	H1	TP4134	D2
IC3014	G1	IC3380	H4	IC3959	H2	TP3213	D1	TP3360	J4	TP3646	B2	TP3870	G1	TP3954	H1	TP4200	B3
IC3050	E4	IC3381	H4	IC4101	D2	TP3240	E1	TP3361	J4	TP3647	B2	TP3871	G1	TP4100	D2	TP4201	B4
IC3051	E4	IC3382	H4	IC4150	D3	TP3241	E1	TP3362	J3	TP3648	B2	TP3872	G1	TP4101	E2	TP4202	B4
IC3052	F4	IC3383	J4	IC4201	B3	TP3242	E1	TP3363	H3	TP3649	B2	TP3873	G1	TP4102	D3	TP4203	B3
IC3053	F4	IC3384	J4	IC4203	C3	TP3243	E1	TP3450	G3	TP3650	B2	TP3874	G1	TP4103	D2	TP4204	B3
IC3054	F4	IC3385	J4	IC4250	B4	TP3244	E1	TP3451	G3	TP3841	F1	TP3875	G1	TP4104	D2	TP4205	B4
IC3056	A3	IC3451	F2	IC4301	D3	TP3245	E1	TP3452	G3	TP3842	F1	TP3876	J2	TP4105	E2	TP4206	B4
IC3057	F3	IC3452	G2	IC4302	D3	TP3246	E1	TP3453	G3	TP3843	F1	TP3877	J4	TP4106	E2	TP4207	B3
IC3058	A3	IC3500	C2	IC4303	C3	TP3247	E1	TP3454	G3	TP3844	F1	TP3878	J4	TP4107	D2	TP4208	B4
IC3059	E4	IC3502	B2	IP3841	H2	TP3248	E1	TP3460	G3	TP3845	F1	TP3879	J4	TP4108	E2	TP4209	C4
IC3060	G3	IC3504	B2	P3001	G5	TP3249	E1	TP3461	G2	TP3846	F1	TP3891	F2	TP4109	E2	TP4210	B3
IC3061	E3	IC3670	A1	P3002	D5	TP3250	E1	TP3462	G2	TP3847	F1	TP3892	J2	TP4110	D2	TP4211	B3
IC3062	F3	IC3674	A1	Q3700	A2	TP3260	B2	TP3463	G2	TP3848	G1	TP3895	J2	TP4111	D2	TP4212	B3
IC3063	E3	IC3676	B1	Q3701	B2	TP3261	E2	TP3464	G2	TP3849	G1	TP3896	H2	TP4112	D2	TP4213	C4
IC3064	E2	IC3704	A2	Q3702	A2	TP3262	E2	TP3465	G3	TP3850	G1	TP3897	H2	TP4113	D2	TP4214	B3
IC3065	E3	IC3705	A2	QR3841	J1	TP3263	D1	TP3466	F3	TP3851	G1	TP3900	H2	TP4114	D2	TP4215	C3
IC3066	E3	IC3750	C3	QR3842	J1	TP3264	C3	TP3467	G3	TP3852	G1	TP3902	H2	TP4115	D2	TP4216	C3
IC3067	F3	IC3751	C4	TG3023	B1	TP3265	E2	TP3500	C2	TP3853	G1	TP3904	H2	TP4116	D2	TP4217	B3
IC3150	C4	IC3771	E4	TG3024	F4	TP3267	H2	TP3501	C2	TP3854	G1	TP3905	H2	TP4117	D2	TP4218	B3
IC3152	D4	IC3772	E4	TG3025	J1	TP3268	J3	TP3502	C2	TP3855	G1	TP3906	H2	TP4118	D2	TP4219	B3
IC3153	D4	IC3773	G4	TP3010	G2	TP3269	G2	TP3503	C3	TP3856	F1	TP3908	H2	TP4119	E2	TP4220	B3
IC3211	C1	IC3801	G4	TP3011	J4	TP3270	H3	TP3504	C3	TP3857	F1	TP3909	H1	TP4120	E2	TP4221	B4
IC3261	E2	IC3802	G4	TP3012	J4	TP3320	K2	TP3505	C3	TP3858	F1	TP3910	H2	TP4121	D2	TP4222	C1
IC3290	E2	IC3803	G4	TP3013	E2	TP3321	K2	TP3506	C2	TP3859	F1	TP3911	H2	TP4122	D2	TP4223	C1
IC3291	E1	IC3808	J2	TP3014	F2	TP3322	K2	TP3507	C2	TP3860	G1	TP3912	H2	TP4123	D2	TP4224	B3
IC3292	F1	IC3809	J1	TP3015	B4	TP3350	H4	TP3508	B2	TP3861	G1	TP3913	H4	TP4124	D3	TP4225	B3
IC3293	F2	IC3842	H3	TP3016	E3	TP3351	H4	TP3509	B2	TP3862	G1	TP3914	H2	TP4125	D3	TP4226	B3
IC3301	J3	IC3951	G1	TP3017	E3	TP3353	J3	TP3510	B2	TP3863	G1	TP3922	J1	TP4126	D2	TP4227	B3
IC3302	K3	IC3952	H1	TP3018	E3	TP3354	G4	TP3640	B1	TP3864	G1	TP3923	J1	TP4127	D2	TP4228	B3
IC3303	K3	IC3953	H1	TP3019	E3	TP3355	G4	TP3641	B1	TP3865	G1	TP3924	J1	TP4128	D2		
IC3304	K4	IC3955	H1	TP3150	B1	TP3356	G4	TP3642	B2	TP3866	G1	TP3925	J1	TP4129	D2		
IC3351	J4	IC3956	H1	TP3210	C2	TP3357	H3	TP3643	B2	TP3867	G1	TP3926	H1	TP4130	D2		
IC3352	H4	IC3957	H1	TP3211	C1	TP3358	H3	TP3644	B2	TP3868	G1	TP3951	H1	TP4131	D2		

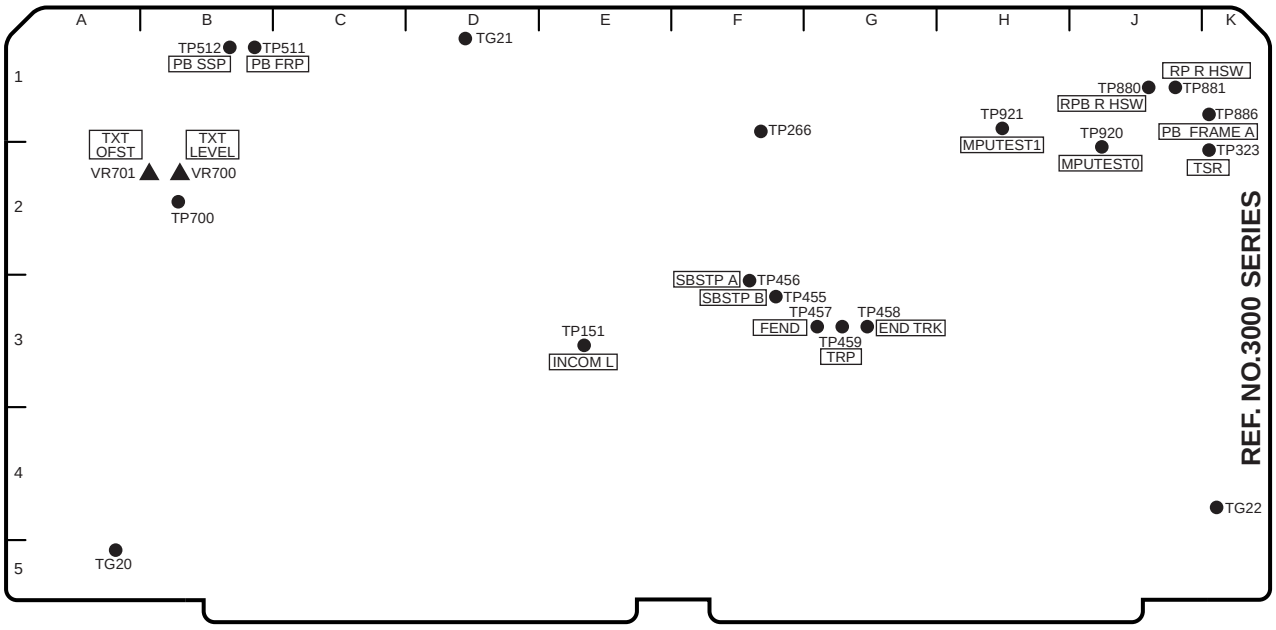


(FOIL SIDE)

8-4. F4:REC PB P.C.BOARD (VEP83629E/D)

COMPONENT SIDE

REF	LOC	REF	LOC
IC3010	G4	P3001	H5
IC3011	G3	P3002	D5
IC3012	F4	P3010	F1
IC3015	G4	P3841	J1
IC3018	F4	P3951	H1
IC3019	F4	P4200	C1
IC3020	F4	Q4000	G4
IC3055	A4	QR4000	G4
IC3151	D4	TG3020	A5
IC3154	C4	TG3021	D1
IC3210	C1	TG3022	K4
IC3240	E1	TP3151	E3
IC3260	E2	TP3266	F1
IC3300	J2	TP3323	K1
IC3350	J4	TP3455	F3
IC3450	G2	TP3456	F3
IC3501	B2	TP3457	G3
IC3503	C2	TP3458	G3
IC3610	D1	TP3459	G3
IC3640	C1	TP3511	B1
IC3706	B2	TP3512	B1
IC3752	B4	TP3700	B2
IC3753	B4	TP3880	J1
IC3770	E4	TP3881	J1
IC3774	E4	TP3886	K1
IC4000	G4	TP3920	J2
IC4001	G4	TP3921	H1
IC4202	C3	VR3700	B2
IC4204	C4	VR3701	B2
IC4300	C3		
IP3016	G1		
IP3017	G1		
IP4100	D2		
IP4200	B3		



(COMPONENT SIDE)

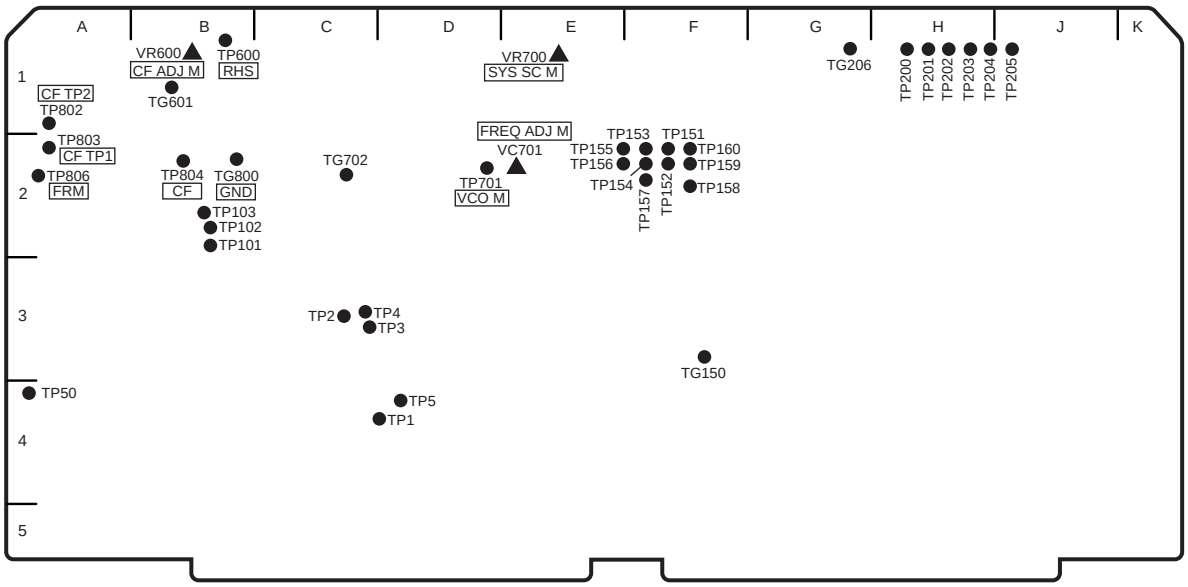
8-5. F5:V_OUT P.C.BOARD (VEP83597E/D)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC10	E1	IC302	H3	IC601	G1	Q310	H4
IC16	G4	IC303	H3	IC603	B1	Q311	G4
IC18	F1	IC400	J1	IC605	C1	Q700	C1
IC51	A4	IC401	J1	IC700	C1	Q701	D2
IC93	A3	IC404	H2	IC701	E1	Q702	E2
IC150	F2	IC405	J3	IC800	A2	Q703	D2
IC154	F2	IC410	K2	IC801	A2	Q704	E2
IC200	H1	IC411	K2	P3001	G5	QR200	G1
IC203	H1	IC412	J2	P3002	D5	QR800	B2
IC205	H2	IC413	K2	Q309	H4		

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC11	F4	IC204	H2	IC407	J2	IC609	A1	P3002	D5	Q304	H4	Q417	J2	TG800	B2	TP202	H1
IC12	F4	IC206	G2	IC408	J2	IC702	C1	P3010	F1	Q305	H4	Q500	J3	TP1	D4	TP203	H1
IC13	F4	IC207	G2	IC409	J3	IC703	C1	Q200	H2	Q306	H4	Q501	J3	TP2	C3	TP204	H1
IC15	E3	IC207	G2	IC414	J3	IC704	C1	Q201	H2	Q307	G4	Q502	H3	TP3	C3	TP205	J1
IC17	F3	IC208	H2	IC415	K2	IC705	C1	Q202	H2	Q308	G4	Q503	J3	TP4	C3	TP600	B1
IC50	A5	IC209	G1	IC416	J2	IC706	D1	Q203	H2	Q400	H2	Q504	J3	TP5	D4	TP701	D2
IC52	A4	IC300	H3	IC417	K3	IC707	D1	Q204	H2	Q401	J1	Q505	J4	TP50	A4	TP802	A1
IC70	D3	IC301	H3	IC500	J4	IC708	E1	Q205	H2	Q402	H1	Q506	J4	TP101	B2	TP803	A1
IC80	B3	IC304	H3	IC501	K4	IC709	D2	Q206	H2	Q403	J1	Q507	J4	TP102	B2	TP804	B2
IC81	C3	IC305	G3	IC502	J3	IC710	E2	Q208	G2	Q404	J1	Q508	J4	TP103	B2	TP806	A2
IC82	B4	IC306	G3	IC503	K3	IC711	E2	Q209	H2	Q405	J2	Q509	J4	TP151	F2	VC701	E1
IC83	C4	IC307	G3	IC504	J3	IC712	D2	Q210	G2	Q406	H1	Q510	J4	TP152	F2	VR600	B1
IC84	B5	IC308	G3	IC505	J3	IC802	A2	Q211	G2	Q407	H2	Q511	J4	TP153	F2	VR700	E1
IC90	A3	IC309	H4	IC506	J3	IC900	G3	Q212	G2	Q408	H1	Q512	J4	TP154	F2		
IC91	B2	IC310	H4	IC507	J3	IC901	E4	Q213	G2	Q409	J1	Q513	J4	TP155	E2		
IC92	B3	IC311	H3	IC508	H3	IC902	D4	Q214	G2	Q410	J1	Q514	J4	TP156	E2		
IC100	C2	IC312	G3	IC600	G2	IC903	D3	Q215	H2	Q411	J1	Q515	J4	TP157	F2		
IC151	E3	IC313	J4	IC602	A1	IC904	D4	Q216	H2	Q412	J1	Q516	J4	TP158	F2		
IC152	D3	IC314	H4	IC604	B1	IC905	D4	Q300	H4	Q413	J2	TG150	F3	TP159	F2		
IC153	F3	IC402	H1	IC606	B1	IP10	F1	Q301	H4	Q414	J2	TG206	G1	TP160	F2		
IC201	G1	IC403	J1	IC607	B1	IP18	E1	Q302	G4	Q415	J1	TG601	B1	TP200	H1		
IC202	H1	IC406	J3	IC608	B1	P3001	G5	Q303	H4	Q416	J2	TG702	C2	TP201	H1		



(COMPONENT SIDE)

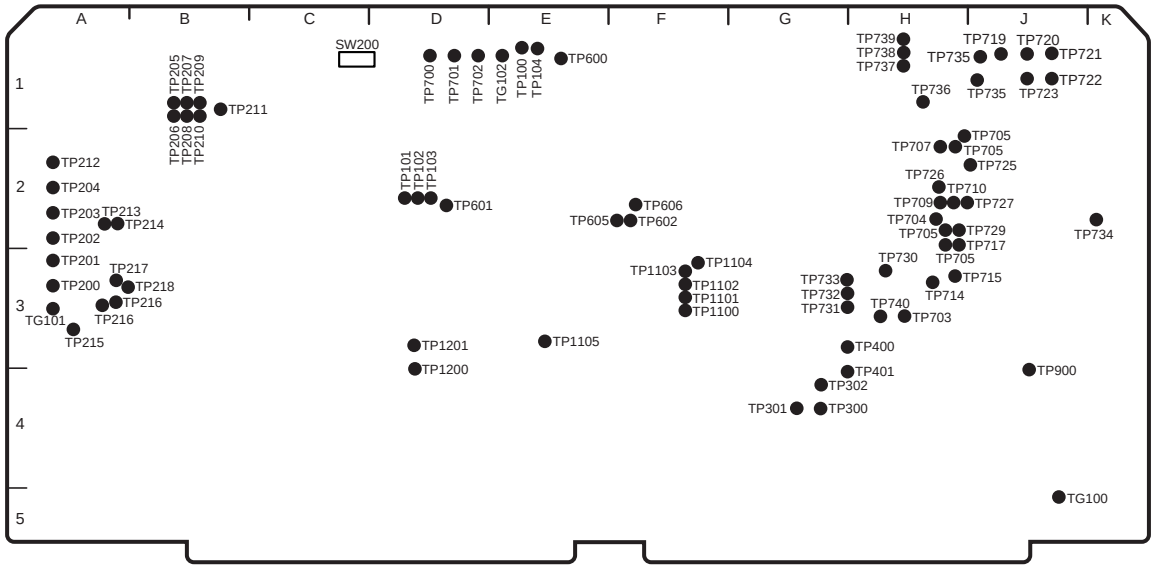
8-6. F6:SYSCON P.C.BOARD (VEP86326J/H)

FOIL SIDE

REF	LOC
P1	G5
P2	D5

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC100	J4	IC404	B4	IC707	G1	IC1202	D3	TG101	A3	TP214	A2	TP704	H2	TP725	J2	TP1102	F3
IC101	K4	IC405	C3	IC800	J2	IC1203	D4	TG102	E1	TP215	A3	TP705	H3	TP726	J2	TP1103	F3
IC102	J4	IC406	C3	IC900	J3	IC1204	D4	TP100	E1	TP216	A3	TP705	J2	TP727	H2	TP1104	F3
IC103	J4	IC407	B4	IC901	K3	IC1206	D4	TP101	D2	TP217	A3	TP707	H2	TP728	H2	TP1105	E3
IC104	F4	IC408	C3	IC904	H3	IC1300	G3	TP102	D2	TP218	A3	TP708	H2	TP729	H2	TP1200	D3
IC104	G4	IC500	B4	IC905	J3	IP200	B2	TP104	E1	TP219	A3	TP709	H2	TP730	H3	TP1201	D3
IC105	E4	IC502	A4	IC906	H3	IP700	H2	TP200	A3	TP300	G4	TP711	G1	TP731	H3		
IC106	F4	IC503	A4	IC907	J3	IP1300	F2	TP201	A3	TP301	G4	TP712	G1	TP732	H3		
IC201	C1	IC504	A4	IC1000	C3	P1	G5	TP202	A2	TP302	G4	TP713	G1	TP733	H3		
IC202	C1	IC505	A3	IC1001	C3	P2	C5	TP203	A2	TP400	G3	TP714	H3	TP734	K3		
IC203	A1	IC506	B4	IC1002	D3	P200	B1	TP204	A2	TP401	G4	TP715	H3	TP735	J1		
IC206	G4	IC600	E2	IC1100	G3	P700	G1	TP205	B1	TP600	E1	TP717	H2	TP736	J1		
IC300	G4	IC700	F1	IC1101	G3	P701	H1	TP206	B1	TP602	F2	TP718	G1	TP737	H1		
IC301	C1	IC701	F3	IC1102	E3	P1300	F1	TP207	B1	TP605	F2	TP719	J1	TP738	H1		
IC304	C2	IC702	G1	IC1103	E3	QR200	C1	TP208	B1	TP606	F2	TP720	J1	TP739	H1		
IC400	H3	IC703	F3	IC1105	D3	QR700	F1	TP209	B1	TP700	D2	TP721	J1	TP740	H3		
IC401	H4	IC704	F3	IC1106	E3	QR701	F1	TP210	B1	TP701	D2	TP722	J1	TP900	J3		
IC402	H4	IC705	J2	IC1200	E4	QR1100	F1	TP211	B1	TP702	D2	TP723	J1	TP1100	F3		
IC403	H4	IC706	F3	IC1201	G4	TG100	J5	TP213	A2	TP703	H3	TP724	H1	TP1101	F3		



(COMPONENT SIDE)

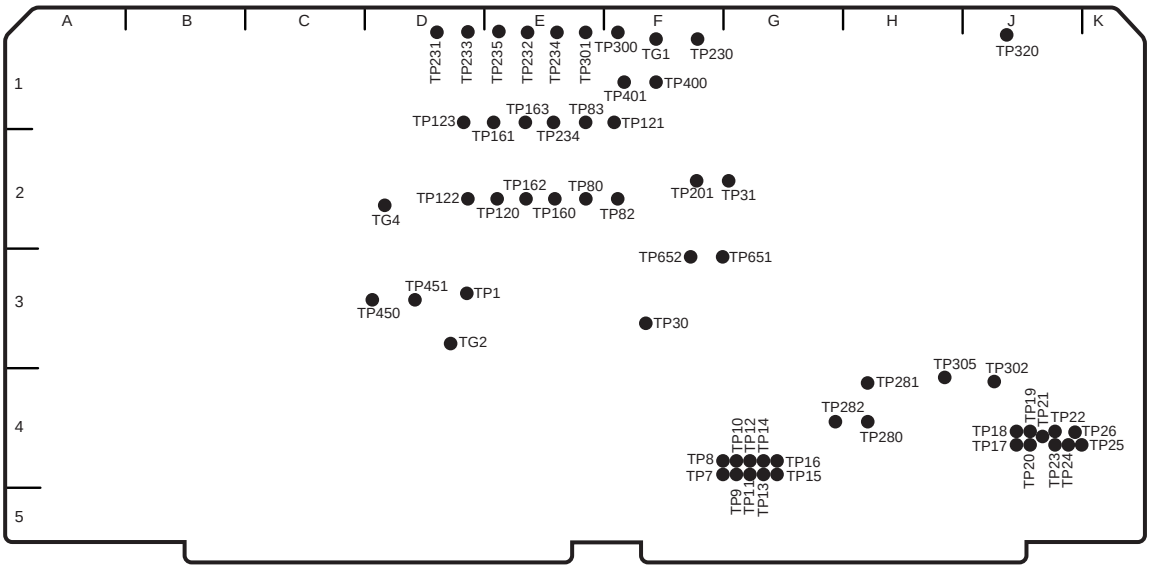
8-7. F7:SERVO P.C.BOARD (VEP82246E)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC202	H3	Q500	A3	QR500	A2	QR669	H4
IC203	H3	Q501	A3	QR501	A2		
IC402	K4	Q600	C1	QR550	C3		
IC403	J4	Q601	D1	QR551	B3		
IC404	F4	Q604	C1	QR552	C3		
IC405	J5	Q605	C1	QR553	B3		
IC406	J4	Q651	C4	QR601	B2		
IC407	J4	Q653	B4	QR602	B2		
IC408	J5	Q654	A4	QR651	A4		
IC655	B4	Q655	H4	QR655	A4		
IC656	B4	Q656	H4	QR656	A4		
P700	G5	QR1	E4	QR657	A4		
P701	D5	QR2	E4	QR659	G4		
Q1	D3	QR3	E4	QR660	G4		
Q2	D3	QR4	E4	QR661	C4		
Q4	D3	QR5	E3	QR662	B4		
Q6	E3	QR6	E3	QR663	B4		
Q450	B1	QR8	E3	QR667	H4		
Q451	B1	QR9	F4	QR668	H4		

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1	E3	IC158	D1	IC554	B3	P201	G2	Q601	D1	TG4	D2	TP24	J4	TP231	D1
IC2	D4	IC204	H3	IC555	B2	P202	H1	Q604	B1	TP1	D3	TP25	J4	TP232	D1
IC3	E4	IC206	K3	IC600	C2	P203	J2	Q605	C1	TP7	G4	TP26	J4	TP233	D1
IC5	E3	IC207	J1	IC601	B2	P300	G1	Q650	B5	TP8	G4	TP30	F3	TP234	D1
IC7	F3	IC208	G1	IC650	G4	P700	G5	Q652	A4	TP9	G4	TP31	G2	TP235	D1
IC8	E4	IC301	F3	IC651	A4	P701	D5	QR7	E3	TP10	G4	TP80	E2	TP280	H4
IC9	F2	IC302	H4	IC652	B4	Q3	D3	QR350	H1	TP11	G4	TP81	E2	TP281	H4
IC10	F4	IC354	F2	IC653	B4	Q5	E3	QR351	G1	TP12	G4	TP82	F2	TP282	G4
IC61	E2	IC355	F2	IC654	B4	Q401	E4	QR352	G1	TP13	G4	TP83	E2	TP300	F1
IC62	E2	IC356	F1	IC655	B4	Q402	C4	QR600	C2	TP14	G4	TP120	E2	TP301	D1
IC63	D2	IC357	A2	IC656	B4	Q500	A3	QR652	H4	TP15	G4	TP121	F2	TP302	J4
IC103	E2	IC364	D2	IC658	F2	Q501	A3	QR653	H4	TP16	G4	TP122	D2	TP305	H4
IC151	D2	IC401	J4	IC659	H4	Q551	C3	QR654	H4	TP17	J4	TP123	D2	TP320	J1
IC152	F2	IC501	A2	IC660	F3	Q552	C3	QR658	A4	TP18	J4	TP160	E2	TP400	F1
IC153	E2	IC502	A2	IC661	G3	Q553	C3	QR664	H4	TP19	J4	TP161	E2	TP401	F1
IC154	D1	IC503	A1	IC662	H4	Q554	B3	QR665	H4	TP20	J4	TP162	E2	TP450	D3
IC155	D1	IC551	D3	IP201	H2	Q555	B3	QR666	H4	TP21	J4	TP163	E2	TP451	D3
IC156	D1	IC552	D3	IP300	G4	Q556	B3	TG1	F1	TP22	J4	TP201	F2	TP651	F3
IC157	D1	IC553	C3	IP301	J4	Q600	C1	TG2	D3	TP23	J4	TP230	F1	TP652	F3



(COMPONENT SIDE)

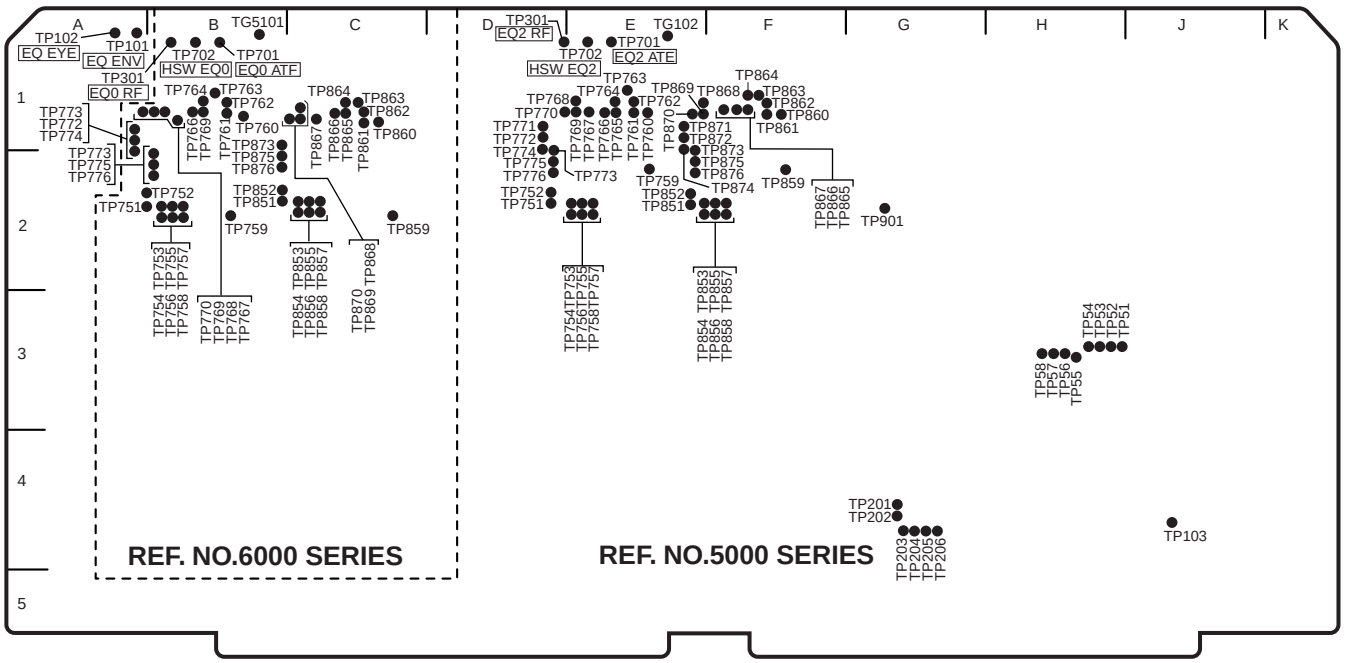
8-8. F8:RF/EQ P.C.BOARD (VEP85207B)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5001	I3	Q5308	E4	Q5520	E3	Q6510	C4
IC5002	I3	Q5310	D4	Q5522	E3	Q6511	C4
IC5003	I2	Q5311	D4	Q5523	E3	Q6512	C4
IC5005	H3	Q5312	D4	Q5901	G2	Q6514	C3
IC5101	H4	Q5314	D3	Q5903	G1	Q6515	C3
IC5102	H4	Q5315	D3	Q6301	B3	Q6516	C3
IC5104	H4	Q5316	D3	Q6305	B3	Q6517	C3
IC5106	H4	Q5317	E3	Q6307	B4	Q6518	C3
IC5107	I4	Q5318	D3	Q6308	B4	Q6520	C3
IC5108	I4	Q5320	D3	Q6310	B4	Q6522	C3
IC5111	B1	Q5322	D3	Q6311	A4	Q6523	C3
IC5701	E2	Q5323	D3	Q6312	B4		
IC5703	E1	Q5501	F3	Q6314	B3		
IC5801	F2	Q5505	F3	Q6315	B3		
IC5803	F1	Q5507	F4	Q6316	B3		
IC6701	B2	Q5508	F4	Q6317	B3		
IC6703	B1	Q5510	E4	Q6318	B3		
IC6801	C2	Q5511	E4	Q6320	B3		
IC6803	C1	Q5512	F4	Q6322	A3		
P5901	G5	Q5514	F3	Q6323	B3		
Q5101	A1	Q5515	F3	Q6501	C3		
Q5301	E3	Q5516	F3	Q6505	C3		
Q5305	E3	Q5517	F3	Q6507	C4		
Q5307	E4	Q5518	F3	Q6508	C4		

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC5004	H3	IC5503	F3	IC6504	C3	Q5519	F3	Q6504	C4	TP5204	G4	TP5770	E1	TP5869	E1	TP6763	B1	TP6861	C1
IC5006	H3	IC5504	F3	IC6505	C3	Q5521	E3	Q6506	C4	TP5205	G4	TP5771	D1	TP5870	E1	TP6764	B1	TP6862	C1
IC5007	H3	IC5505	F3	IC6506	C3	Q5602	E4	Q6509	C4	TP5206	G4	TP5772	D1	TP5871	E1	TP6765	B1	TP6865	C1
IC5103	B1	IC5506	E3	IC6702	B2	Q5701	E2	Q6513	C3	TP5301	D1	TP5773	D1	TP5872	E1	TP6766	B1	TP6866	C1
IC5105	E1	IC5702	E2	IC6704	B2	Q5801	F2	Q6519	C3	TP5701	E1	TP5774	D1	TP5873	E1	TP6767	B1	TP6867	C1
IC5109	A1	IC5704	E2	IC6802	C2	Q5902	G1	Q6521	C3	TP5702	E1	TP5775	D1	TP5874	E1	TP6768	B1	TP6868	C1
IC5110	A1	IC5802	F2	IC6804	C2	Q5904	G2	Q6701	B2	TP5751	D2	TP5776	D2	TP5875	E1	TP6769	B1	TP6869	C1
IC5201	G4	IC5804	F2	P5001	H3	Q5905	H1	Q6801	C2	TP5752	D2	TP5851	E2	TP5876	E2	TP6770	B1	TP6870	C1
IC5202	G2	IC5901	H2	P5768	E1	Q5906	G1	TG5101	B1	TP5753	E2	TP5852	E2	TP5901	G2	TP6771	A1	TP6871	B1
IC5203	G3	IC5902	G2	P5901	G5	Q5907	H2	TG5102	E1	TP5754	E2	TP5853	E2	TP5961	F1	TP6772	A1	TP6872	B1
IC5204	G3	IC5903	G2	P6762	B1	Q5908	H2	TP5051	H3	TP5755	E2	TP5854	E2	TP6301	B1	TP6773	A1	TP6873	B1
IC5205	G4	IC5904	J4	Q5303	E4	Q5909	H2	TP5052	H3	TP5756	E2	TP5855	F2	TP6701	B1	TP6774	A1	TP6874	B1
IC5206	G2	IC5905	J3	Q5304	E4	Q5910	H2	TP5053	H3	TP5757	E2	TP5856	F2	TP6702	B1	TP6775	A1	TP6875	B1
IC5207	G3	IC5906	A2	Q5306	E4	Q5911	H2	TP5054	H3	TP5758	E2	TP5857	F2	TP6751	B2	TP6776	B2	TP6876	B2
IC5208	G3	IC5907	A4	Q5309	D4	Q6302	B4	TP5055	H3	TP5759	E2	TP5858	F2	TP6752	B2	TP6851	B2		
IC5209	G3	IC6301	B4	Q5313	D3	Q6303	B4	TP5056	H3	TP5760	E1	TP5859	F2	TP6753	B2	TP6852	B2		
IC5301	E4	IC6302	B4	Q5319	D3	Q6304	B4	TP5057	H3	TP5761	E1	TP5860	F1	TP6754	B2	TP6853	C2		
IC5302	D4	IC6303	B3	Q5321	D3	Q6306	B4	TP5058	H3	TP5762	E1	TP5862	F1	TP6755	B2	TP6854	C2		
IC5303	D3	IC6304	B3	Q5502	F4	Q6309	A4	TP5101	A1	TP5763	E1	TP5863	F1	TP6756	B2	TP6855	C2		
IC5304	D3	IC6305	B3	Q5503	F4	Q6313	B3	TP5102	A1	TP5764	E1	TP5864	F1	TP6757	B2	TP6856	C2		
IC5305	D3	IC6306	A3	Q5504	F4	Q6319	B3	TP5103	J4	TP5765	E1	TP5865	F1	TP6758	B2	TP6857	C2		
IC5306	D3	IC6501	C4	Q5506	F4	Q6321	A3	TP5201	G4	TP5766	E1	TP5866	F1	TP6759	B2	TP6858	C2		
IC5501	F4	IC6502	C4	Q5509	E4	Q6502	C4	TP5202	G4	TP5767	E1	TP5867	F1	TP6760	B1	TP6859	C2		
IC5502	E4	IC6503	C3	Q5513	E3	Q6503	C4	TP5203	G4	TP5769	E1	TP5868	E1	TP6761	B1	TP6860	C1		

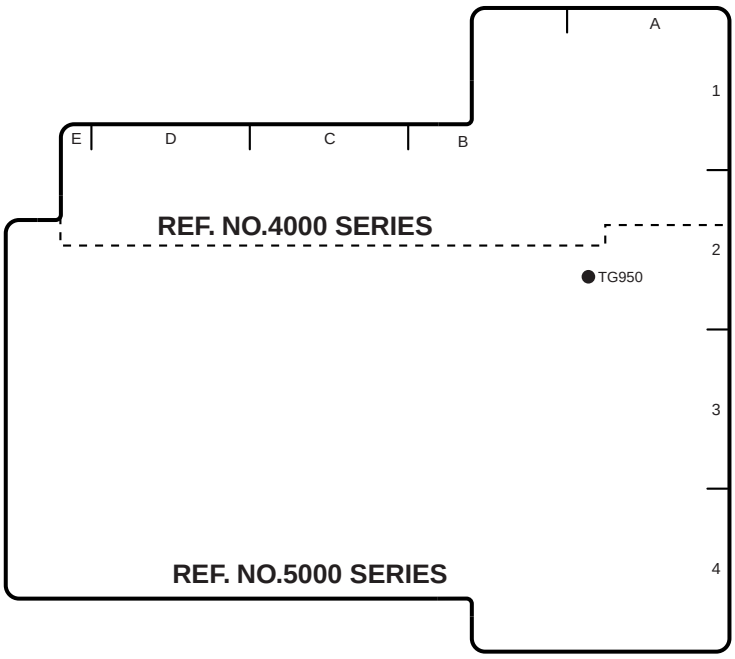


(COMPONENT SIDE)

8-9. RF/CUE P.C.BOARD (VEP85217A)

FOIL SIDE

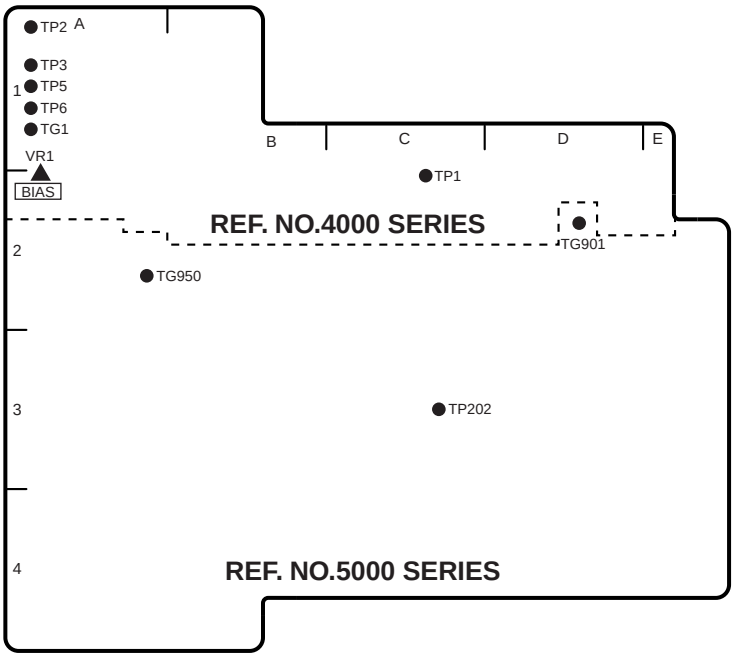
REF	LOC	REF	LOC
IC4003	D2	QR4001	B2
IC4004	D2	QR4002	C2
IC4007	D2	QR4003	B2
P4001	A1	QR4004	C2
P5901	E3	QR4005	B1
Q4001	B2	QR4006	B1
Q4002	C1	QR4007	A2
Q4003	B2	QR4008	A1
Q4004	C2	QR4009	A1
Q4005	A1	QR4010	B2
Q4006	A1	QR5004	D2
Q4007	A1	TG5950	A2
Q4008	A1		
Q4009	A1		
Q4010	A2		
Q4011	A2		
Q5101	B3		
Q5102	B3		
Q5103	B3		
Q5104	B2		
Q5105	B2		
Q5106	B2		
Q5209	C3		
Q5210	C3		
Q5211	C3		
Q5212	C3		
Q5213	C3		
Q5214	C3		



(FOIL SIDE)

COMPONENT SIDE

REF	LOC	REF	LOC
IC4001	C2	Q5204	B3
IC4002	A1	Q5207	C3
IC4005	D2	Q5208	C3
IC4006	D2	Q5215	C3
IC5001	D3	Q5216	C3
IC5002	D3	Q5217	C3
IC5003	C3	Q5601	A3
IC5004	D3	Q5602	A3
IC5005	D3	Q5605	A3
IC5006	C3	Q5606	A4
IC5201	B4	Q5607	A4
IC5202	B4	QR5001	C3
IC5203	B4	QR5002	C3
IC5204	B4	QR5101	B3
IC5205	C3	QR5102	B2
IC5603	A2	QR5201	B4
IC5607	A4	QR5202	B4
IC5901	D3	QR5203	C3
IC5903	D4	TG4001	A1
P4001	A1	TG5901	D2
P5901	E3	TG5950	A2
P5902	A2	TP4001	C2
P5903	A3	TP4002	A1
Q5001	C4	TP4003	A1
Q5002	C4	TP4005	A1
Q5201	B3	TP4006	A1
Q5202	B3	TP5202	C3
Q5203	B3	VR4001	A2



(COMPONENT SIDE)

8-10. MOTHER P.C.BOARD (VEP80C41A)

FOIL SIDE

REF	LOC	REF	LOC
P1	E1	P12	C3
P2	C1	P13	E3
P3	E1	P14	C3
P4	C1	P15	E4
P5	E2	P16	D5
P6	C2	P17	C5
P7	E2	P18	F5
P8	C2	P19	E5
P9	E3	P20	A1
P10	C3	P21	G3
P11	E3	P22	B5

COMPONENT SIDE

REF	LOC	REF	LOC
P1	E1	P12	C3
P2	C1	P13	E3
P3	E1	P14	C3
P4	C1	P15	E4
P5	E2	P16	D5
P6	C2	P17	C5
P7	E2	P18	F5
P8	C2	P19	E5
P9	E3	P20	A1
P10	C3	P21	G3
P11	E3	P22	B5

8-11. FRONT P.C.BOARD (VEP86337C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC103	K3	Q403	G2	QR312	N1	QR331	G1
IC114	H4	Q404	G2	QR313	L1	QR332	G1
IC300	K1	Q405	B2	QR314	N1	QR333	G1
IC302	J2	Q406	B2	QR315	D3	QR334	G1
IC303	J1	Q407	C2	QR316	E3	QR335	H1
IC304	H1	Q408	F2	QR317	E3	QR336	H1
IC500	D3	Q500	A3	QR318	C3	QR337	H1
IC501	D3	QR300	L2	QR319	C4	QR338	H1
IC502	B3	QR301	L1	QR320	G2	QR339	N1
IC505	B3	QR302	M1	QR321	G2	QR400	B2
IC506	B3	QR303	M1	QR322	G3	QR401	B2
IC507	A2	QR304	G1	QR323	J2	QR402	C2
IC508	A2	QR305	G1	QR324	J1	VR500	C4
P100	B3	QR306	G1	QR325	J1	VR501	D4
P101	L3	QR307	K3	QR326	K1	VR502	D4
P200	N1	QR308	J3	QR327	F3	VR503	E4
P300	F1	QR309	J3	QR328	H3	VR505	A2
Q400	F3	QR310	K2	QR329	F2		
Q401	F3	QR311	J2	QR330	H2		

COMPONENT SIDE

REF	LOC	REF	LOC
IC100	E4	IC205	H3
IC101	F4	IC206	C3
IC102	L2	IC301	L1
IC104	K4	IC400	E1
IC105	J4	IC401	F1
IC106	K4	IC403	F2
IC107	K3	IC503	D3
IC108	K4	IC504	E3
IC109	J3	P100	B3
IC110	K3	P101	L3
IC111	J4	P200	N1
IC112	H4	P300	G1
IC113	H4	Q402	G3
IC115	E3	Q501	A3
IC200	H3	VR500	C4
IC201	J3	VR501	D4
IC202	J3	VR502	D4
IC203	L2	VR503	E4
IC204	K3	VR505	A2

8-12. AV JACK P.C.BOARD (VEP80C40C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC100	D3	IC501	D3	P104	D3	Q403	A3	Q504	D4
IC101	D2	IC502	D2	P105	A2	Q404	A3	Q505	D4
IC200	C2	IC503	D3	P200	C3	Q405	A3		
IC201	C2	IC504	E2	P300	H3	Q406	A3		
IC400	B3	IC505	E3	P400	A3	Q407	A3		
IC401	B3	IC601	A5	P500	D4	Q408	A3		
IC402	A3	IC602	C5	P600	A4	Q409	A3		
IC403	A3	IC603	A4	Q200	C2	Q500	D4		
IC404	A1	P100	E5	Q201	C3	Q501	C4		
IC405	A2	P102	E1	Q400	A3	Q502	D4		
IC500	D3	P103	E2	Q402	A3	Q503	D4		

COMPONENT SIDE

REF	LOC
P100	E5
P101	D3
P102	E1
P103	E2
P104	D3
P105	A2
P200	C3
P300	H3
P400	A3
P500	D4
P600	A4

8-13. POWER1 P.C.BOARD (VEP81221C)

FOIL SIDE

REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1001	C3	P1201	F2	Q1202	D4	QR1201	D3
IC1101	C4	P1202	F3	Q1203	D4	QR1202	D3
IC1102	C4	Q1001	B1	Q1204	B3	QR1203	F4
IC1103	C3	Q1002	C2	QR1001	C3	QR1204	F4
IC1201	D2	Q1003	C2	QR1002	C3	QR1205	F4
IC1202	D3	Q1004	C3	QR1101	B4	QR1206	F4
IC1203	D4	Q1101	B4	QR1102	C4	QR1207	F4
IC1204	D4	Q1102	B3	QR1103	C4		
IC1205	D1	Q1103	B2	QR1104	C4		
P1103	A1	Q1201	D4	QR1105	C4		

COMPONENT SIDE

REF	LOC	REF	LOC
IC1001	C3	P1202	E3
IC1101	C4	Q1001	B1
IC1102	D4	Q1002	D2
IC1103	C3	Q1003	D2
IC1201	D2	Q1004	D3
IC1202	D3	Q1102	B2
IC1203	D4	Q1103	B2
IC1205	D1	VR1102	C4
P1103	A1	VR1201	D3
P1201	E2		

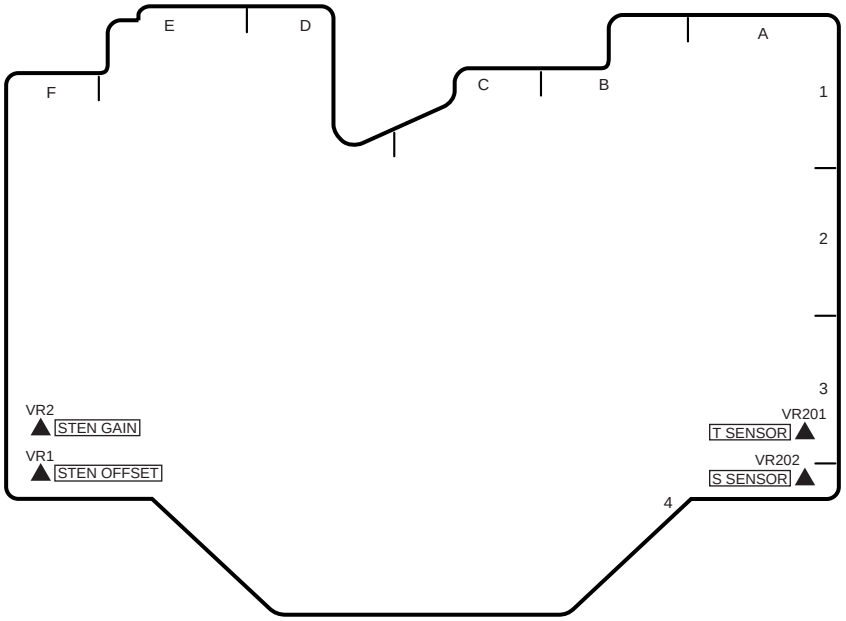
8-14. MECHA IF P.C.BOARD (VEP82239A)

FOIL SIDE

REF	LOC
P25	D3
P26	C3
P34	D4
P35	B4
P151	E2
VR1	F4
VR2	F3
VR201	A3
VR202	A4

COMPONENT SIDE

REF	LOC	REF	LOC
IC1	B2	P30	B2
IC2	A2	P32	F1
IC3	A2	P33	C2
IC4	E1	P34	D4
IC5	A2	P35	B4
IC5	E2	P36	B1
IC6	E2	P48	D1
IC151	D3	P151	E4
IC152	D3	Q1	E2
IC153	C2	Q101	E3
IC154	C2	Q102	F3
IC155	C2	Q103	B3
IC156	D2	Q104	B3
IC157	D2	Q106	A2
P11	E1	Q107	A2
P12	C4	Q108	A1
P13	F2	QR101	E3
P14	F2	QR102	E3
P15	F3	QR103	A2
P16	D4	QR104	A2
P17	C4	QR105	F3
P18	B3	QR106	A2
P19	A2	QR107	B3
P20	A1	QR108	B3
P21	B1	QR109	A1
P22	B1	QR110	A1
P24	A2	QR111	B3
P25	D3	QR112	A1
P26	C3		



(FOIL SIDE)

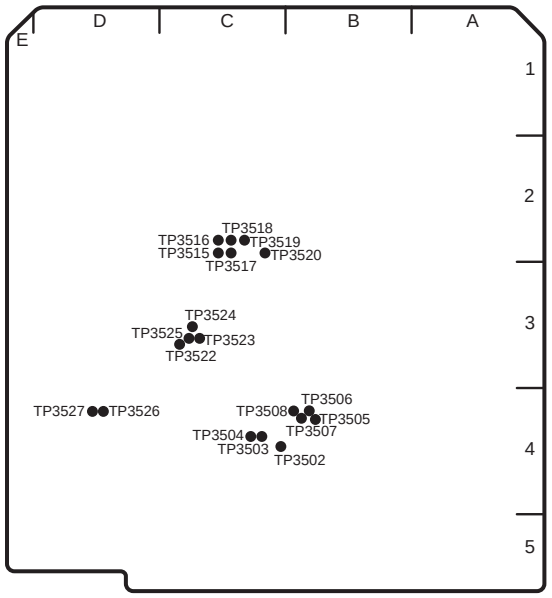
8-15. F3A:SDI P.C.BOARD (VEP83605B:AJ-YA755G)(OPTION)

FOIL SIDE

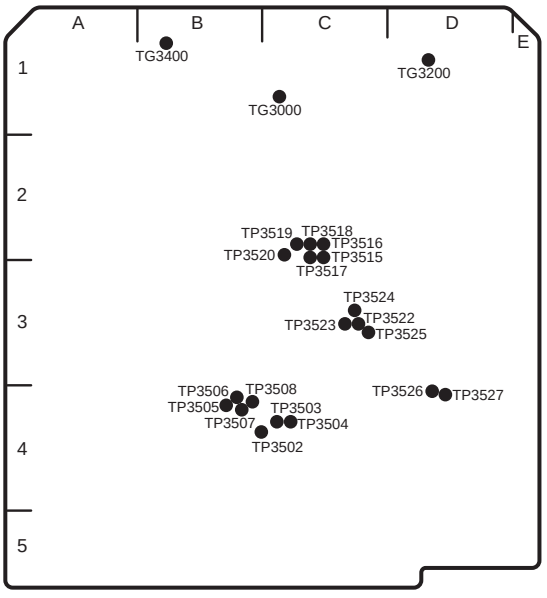
REF	LOC	REF	LOC	REF	LOC
IC3102	B4	TP3504	C4	TP3526	D4
IC3103	B4	TP3505	B4	TP3527	D4
IC3104	A4	TP3506	B4		
IC3105	A4	TP3507	B4		
IC3405	C4	TP3508	B4		
IC3500	C4	TP3515	C2		
IC3501	C4	TP3516	C2		
IC3505	D4	TP3517	C2		
IC3509	B4	TP3518	C2		
P3000	B5	TP3520	C2		
P3519	C2	TP3522	C3		
QR3200	D1	TP3523	C3		
TP3502	C4	TP3524	C3		
TP3503	C4	TP3525	C3		

COMPONENT SIDE

REF	LOC	REF	LOC	REF	LOC
IC3000	A4	IC3508	D5	TP3506	B4
IC3200	D2	IC3510	C4	TP3507	B4
IC3201	C2	IC3511	D4	TP3508	B4
IC3203	D2	IP3503	B3	TP3515	C2
IC3204	C2	P3000	B5	TP3516	C2
IC3300	D4	P3500	C1	TP3517	C2
IC3301	D3	P3527	D4	TP3518	C2
IC3400	B3	TG3000	C1	TP3519	C2
IC3401	A3	TG3200	D1	TP3520	C2
IC3402	B2	TG3400	B1	TP3522	C3
IC3403	A2	TP3502	C4	TP3523	C3
IC3404	A2	TP3503	C4	TP3524	C3
IC3502	C3	TP3504	C4	TP3525	C3
IC3507	A2	TP3505	B4	TP3526	D4



(FOIL SIDE)



(COMPONENT SIDE)

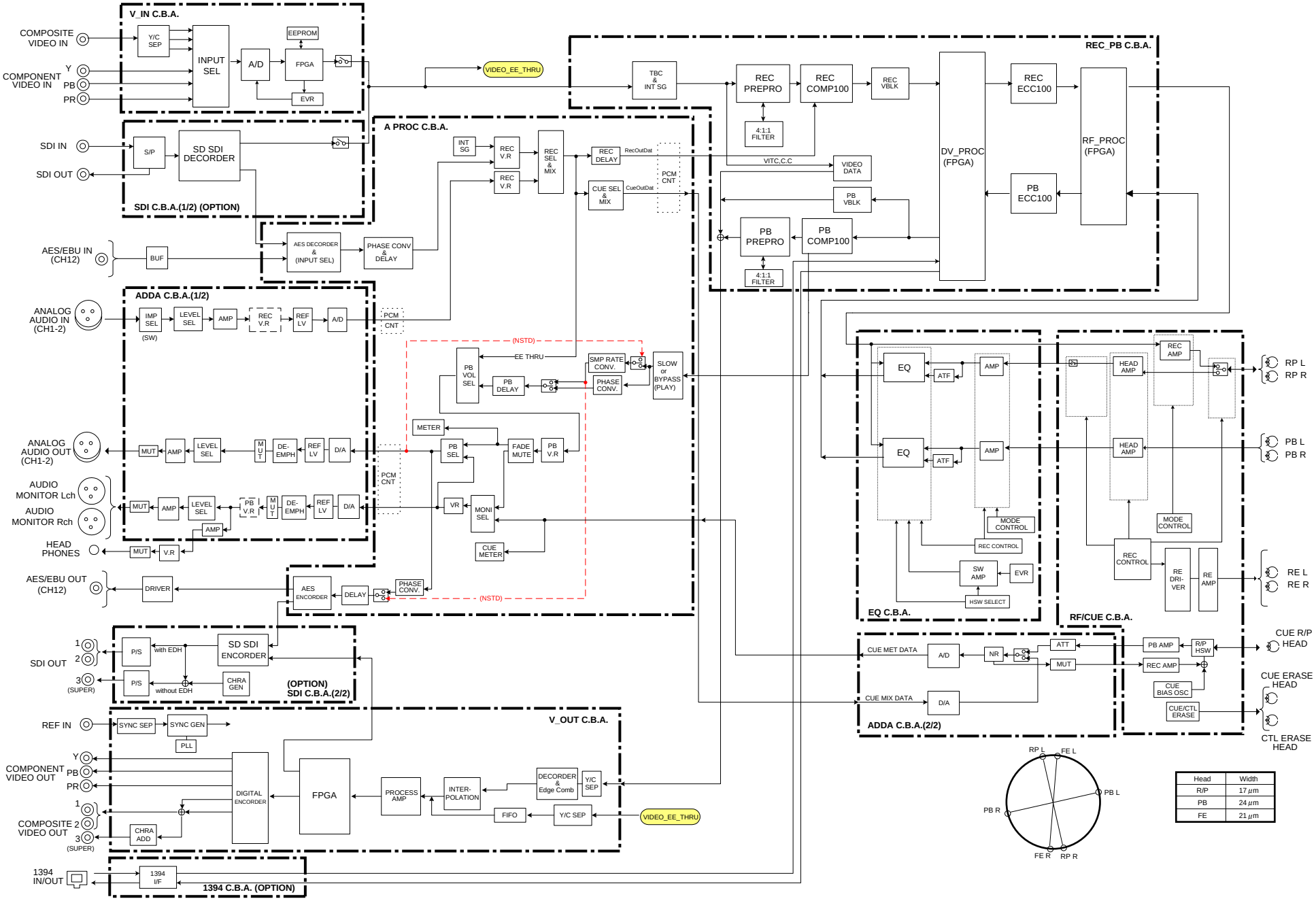
SECTION 5

BLOCK DIAGRAMS

CONTENTS

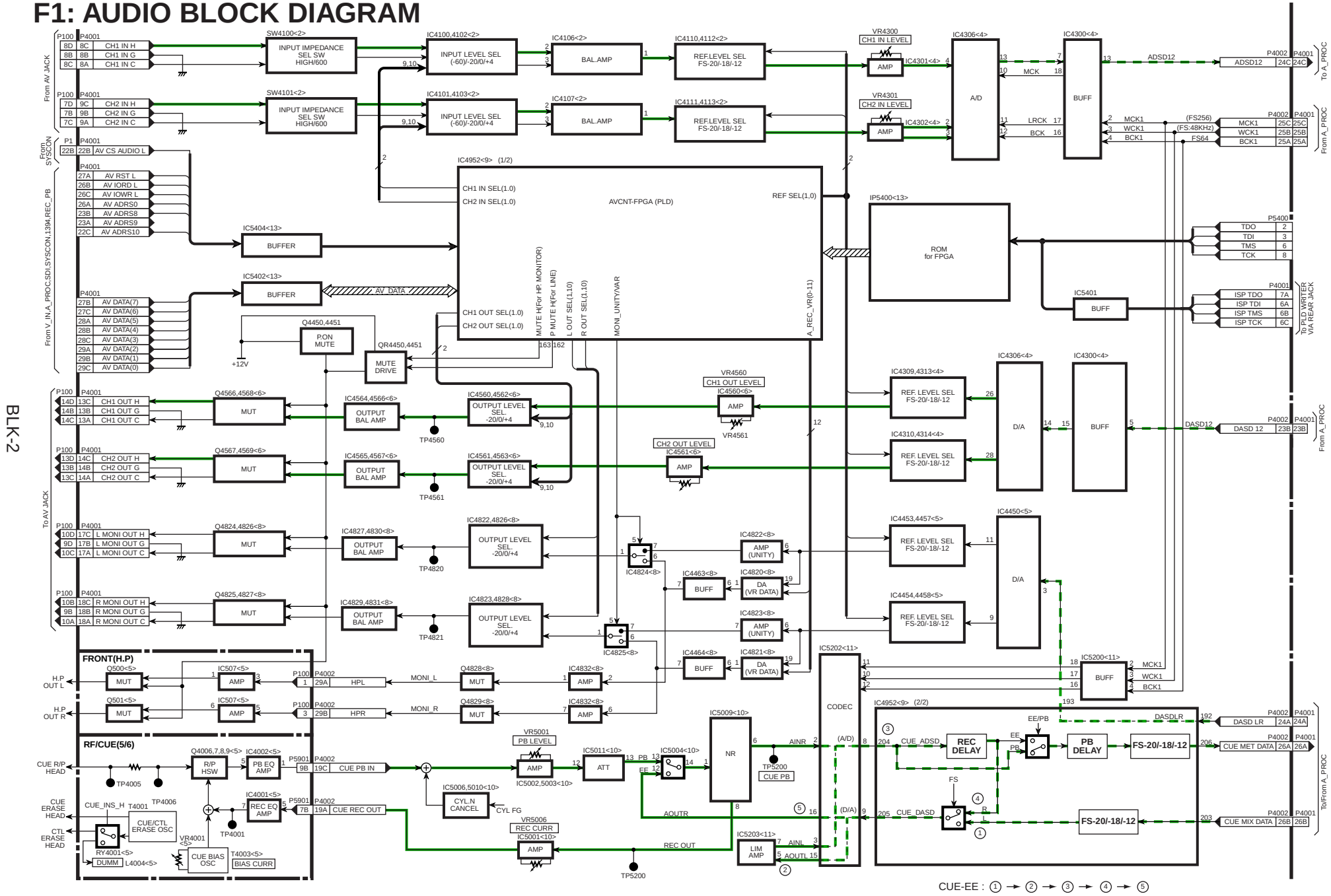
OVERALL BLOCK DIAGRAM.....BLK-1
F1: AUDIO BLOCK DIAGRAM.....BLK-2
F2A: V_IN BLOCK DIAGRAM.....BLK-3
F2B: A PROC BLOCK DIAGRAM.....BLK-4
F4: REC_PB BLOCK DIAGRAM.....BLK-5
F5: V_OUT BLOCK DIAGRAM.....BLK-6
F6: SYSCON BLOCK DIAGRAM.....BLK-7
F7: SERVO BLOCK DIAGRAM.....BLK-8
F8: RF/CUE, RF/EQ BLOCK DIAGRAM.....BLK-9
FRONT BLOCK DIAGRAM.....BLK-10
F3A: SDI BLOCK DIAGRAM (AJ-YA755G: OPTION).....BLK-11

OVERALL BLOCK DIAGRAM

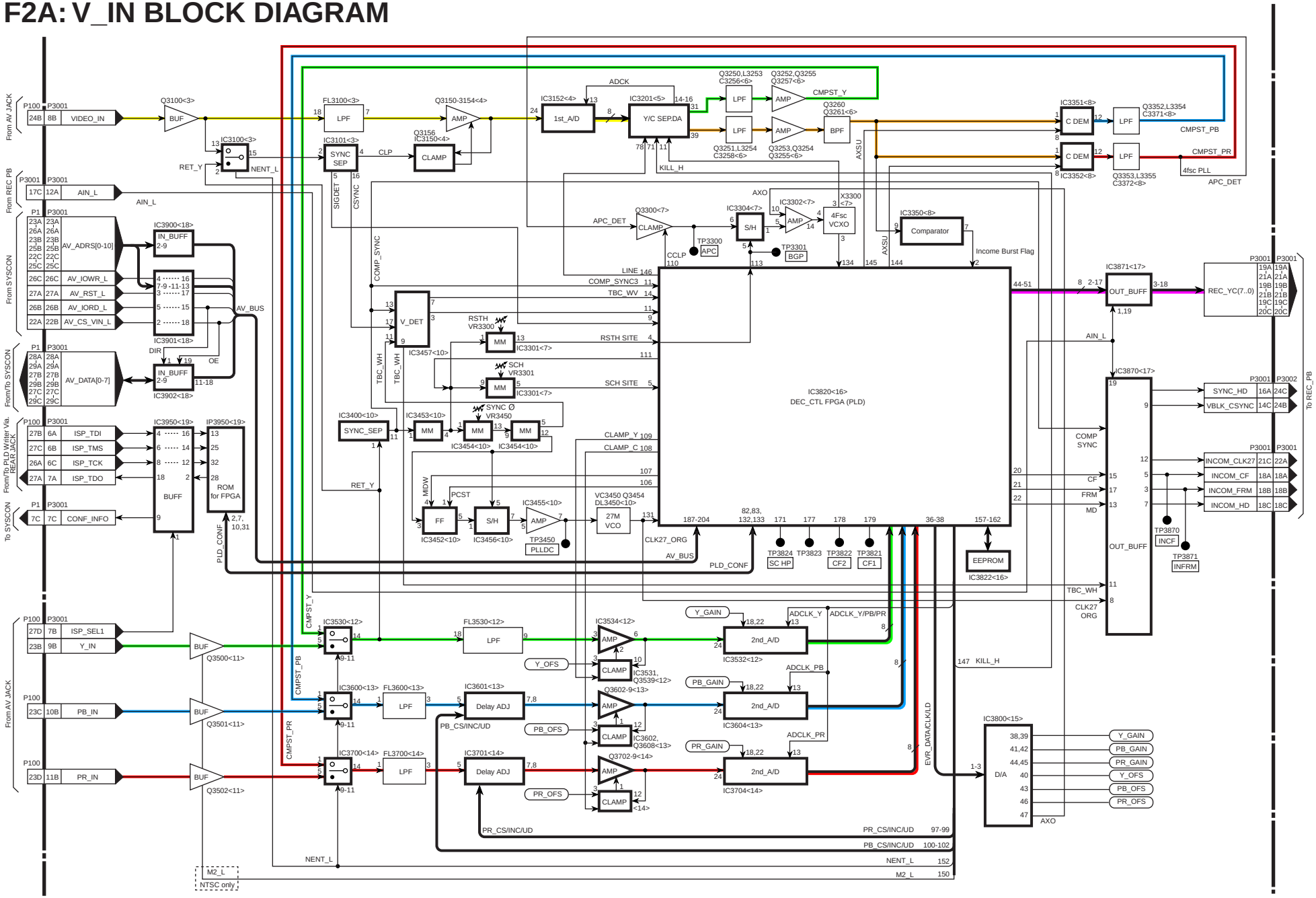


BLK-1

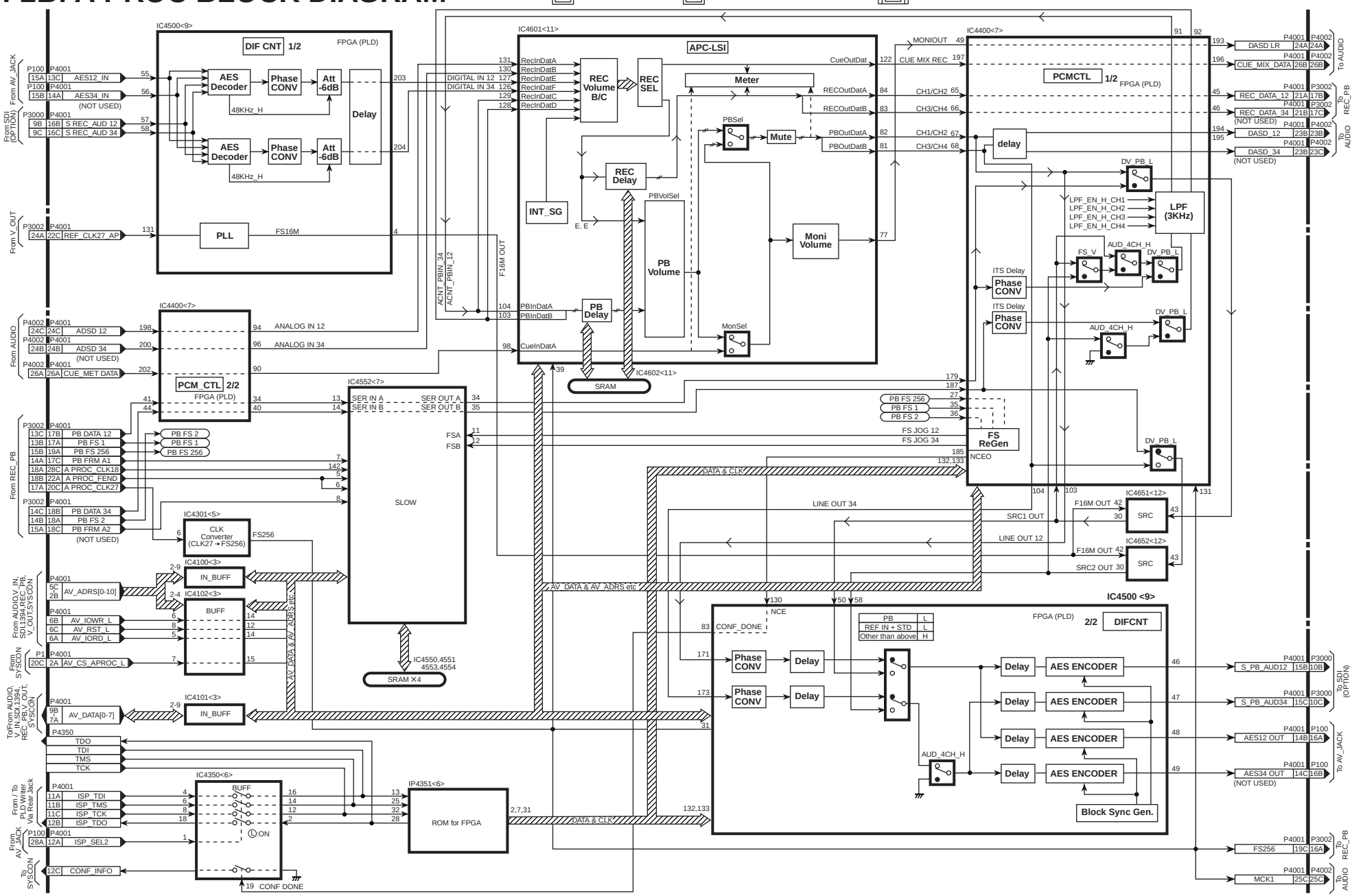
F1: AUDIO BLOCK DIAGRAM



F2A: V_IN BLOCK DIAGRAM

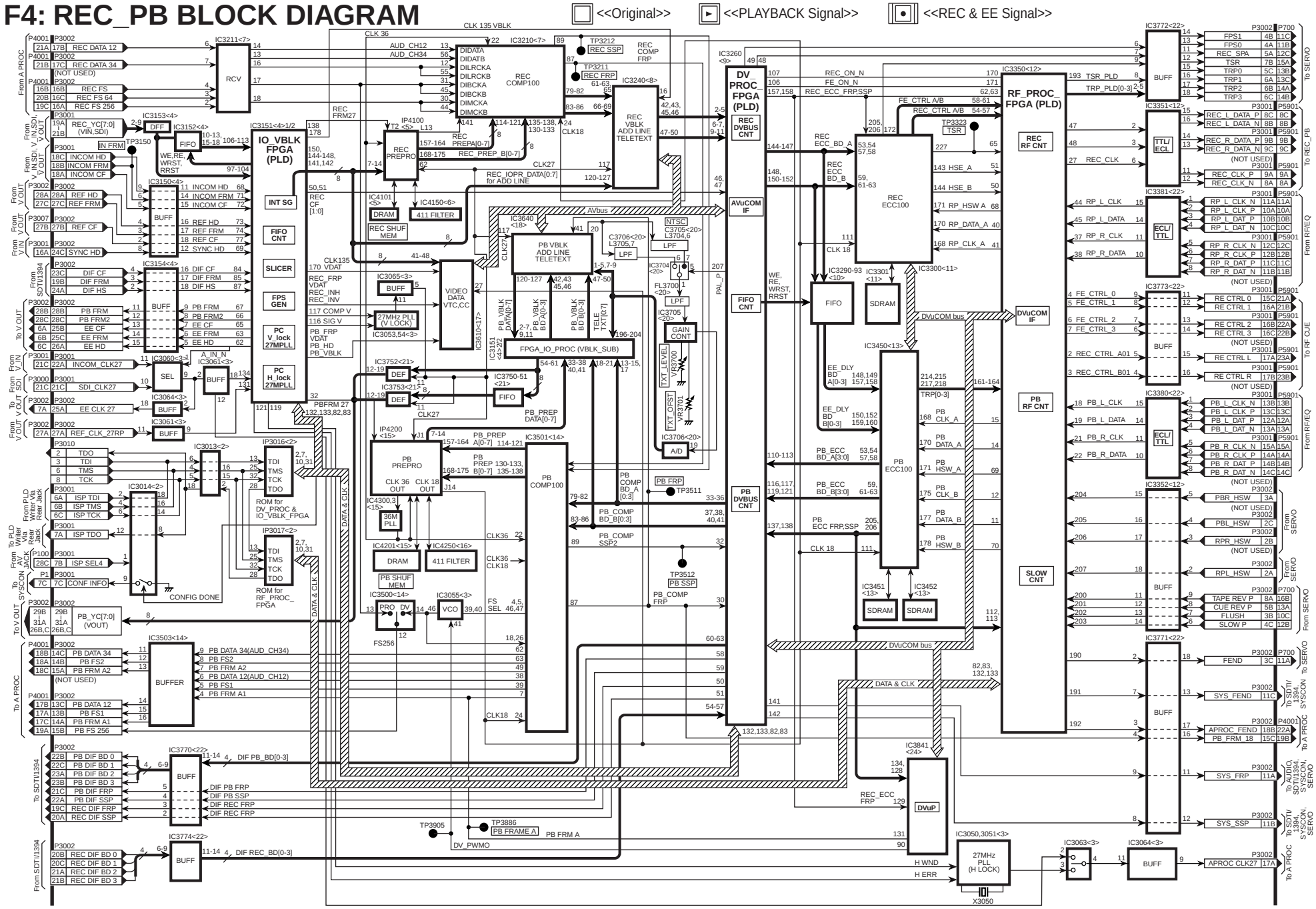


F2B: A PROC BLOCK DIAGRAM

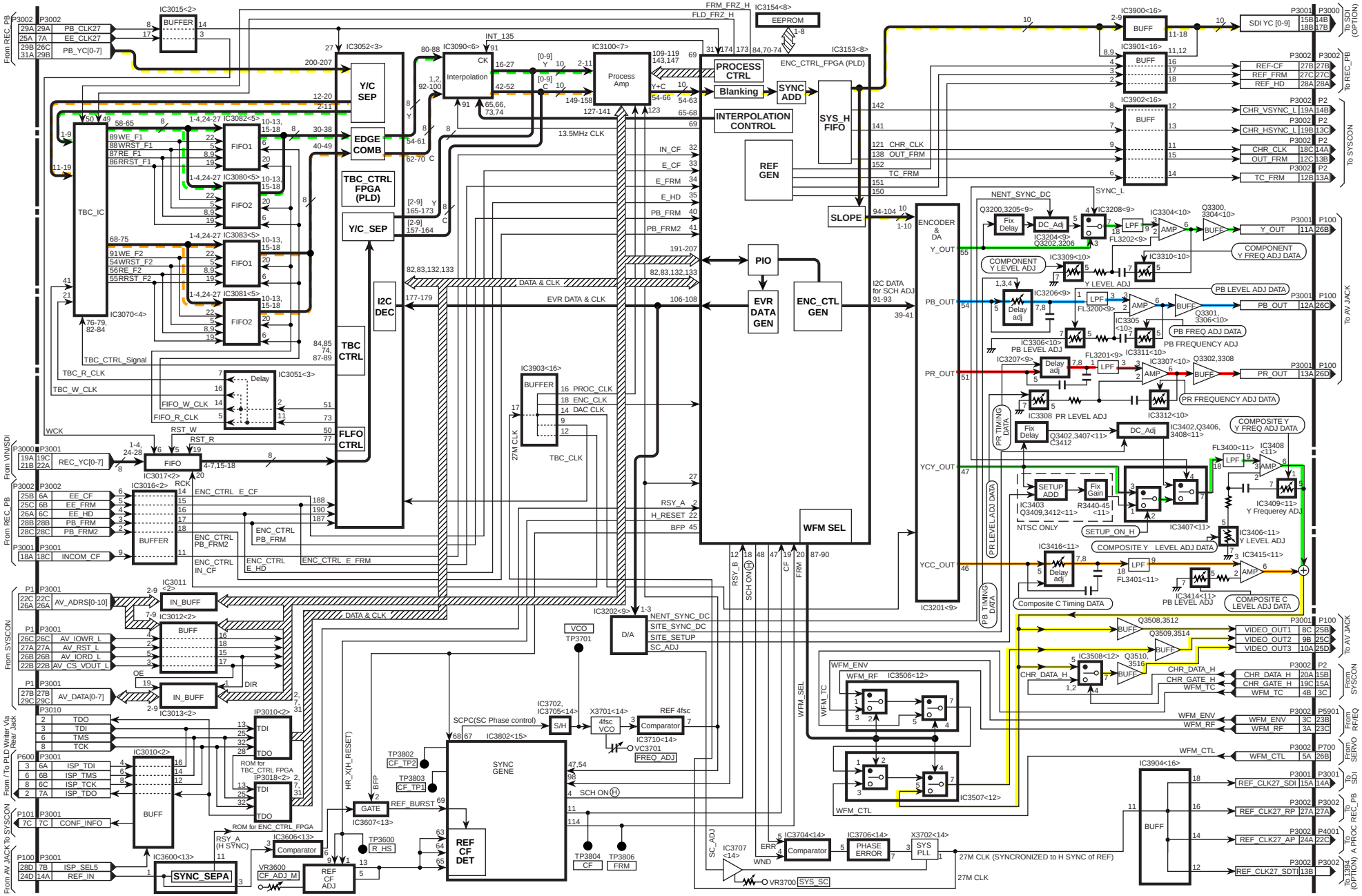


BLK-4

F4: REC_PB BLOCK DIAGRAM

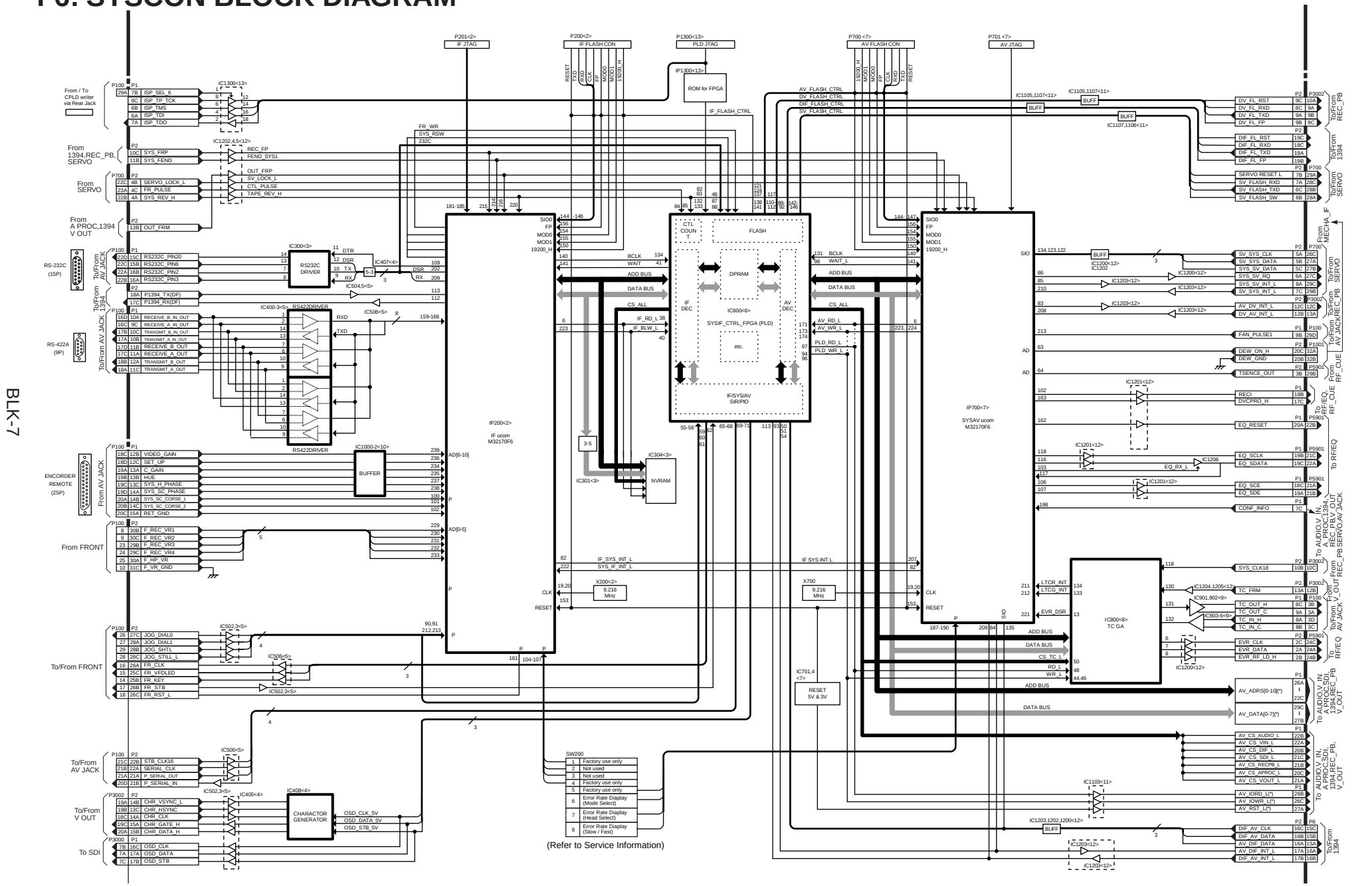


F5: V_OUT BLOCK DIAGRAM

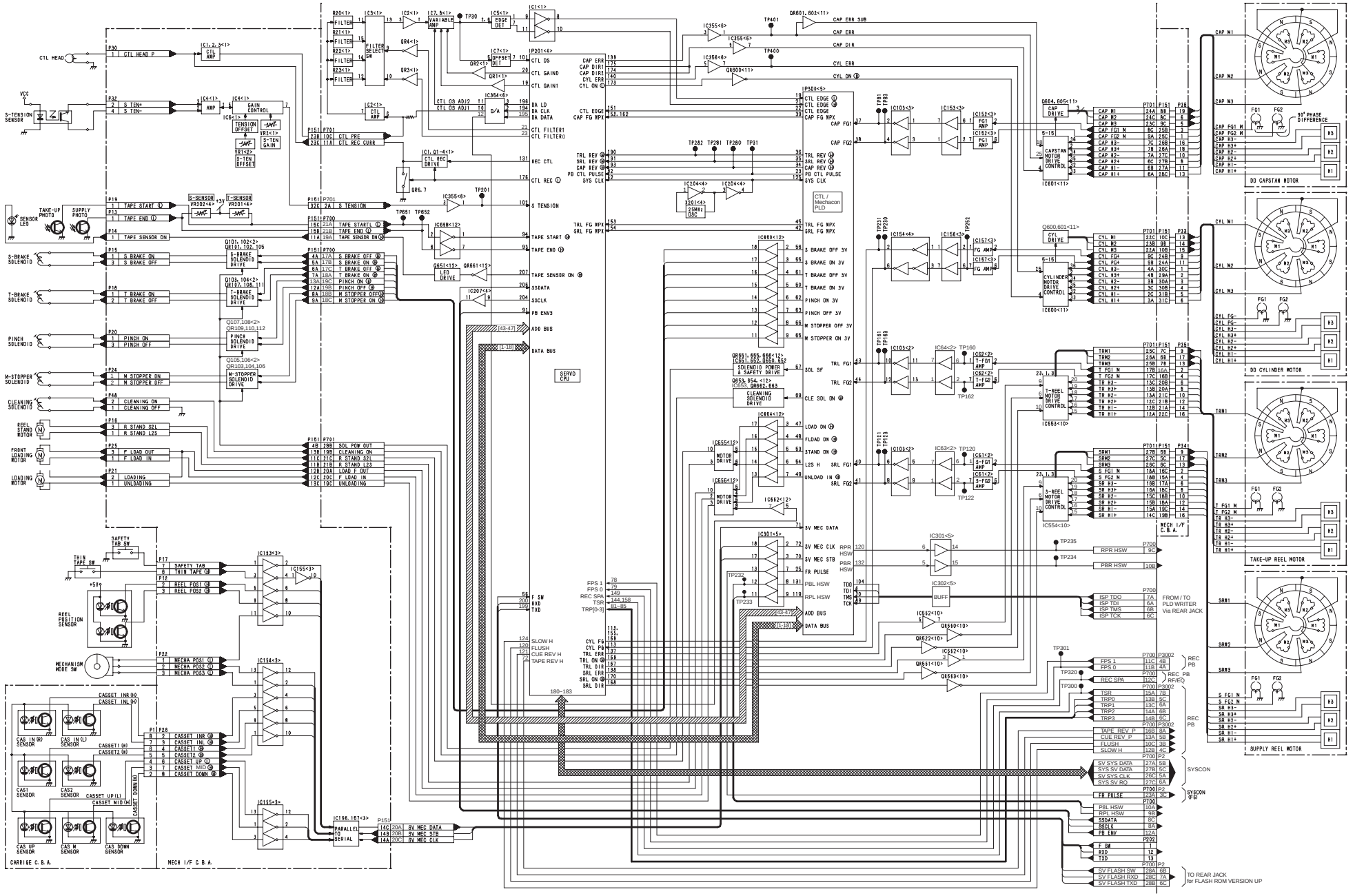


BLK-6

F6: SYSCON BLOCK DIAGRAM

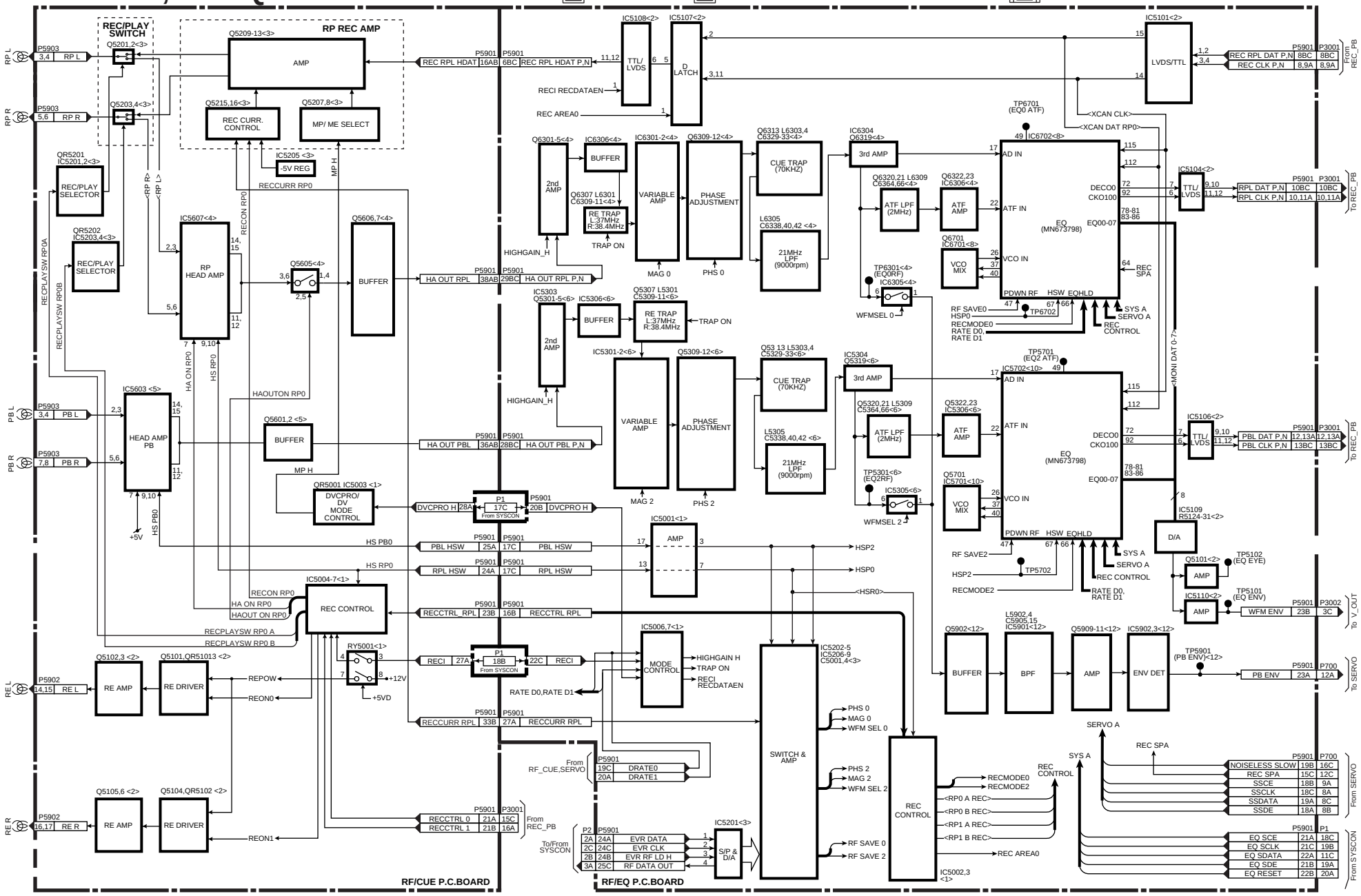


F7: SERVO BLOCK DIAGRAM



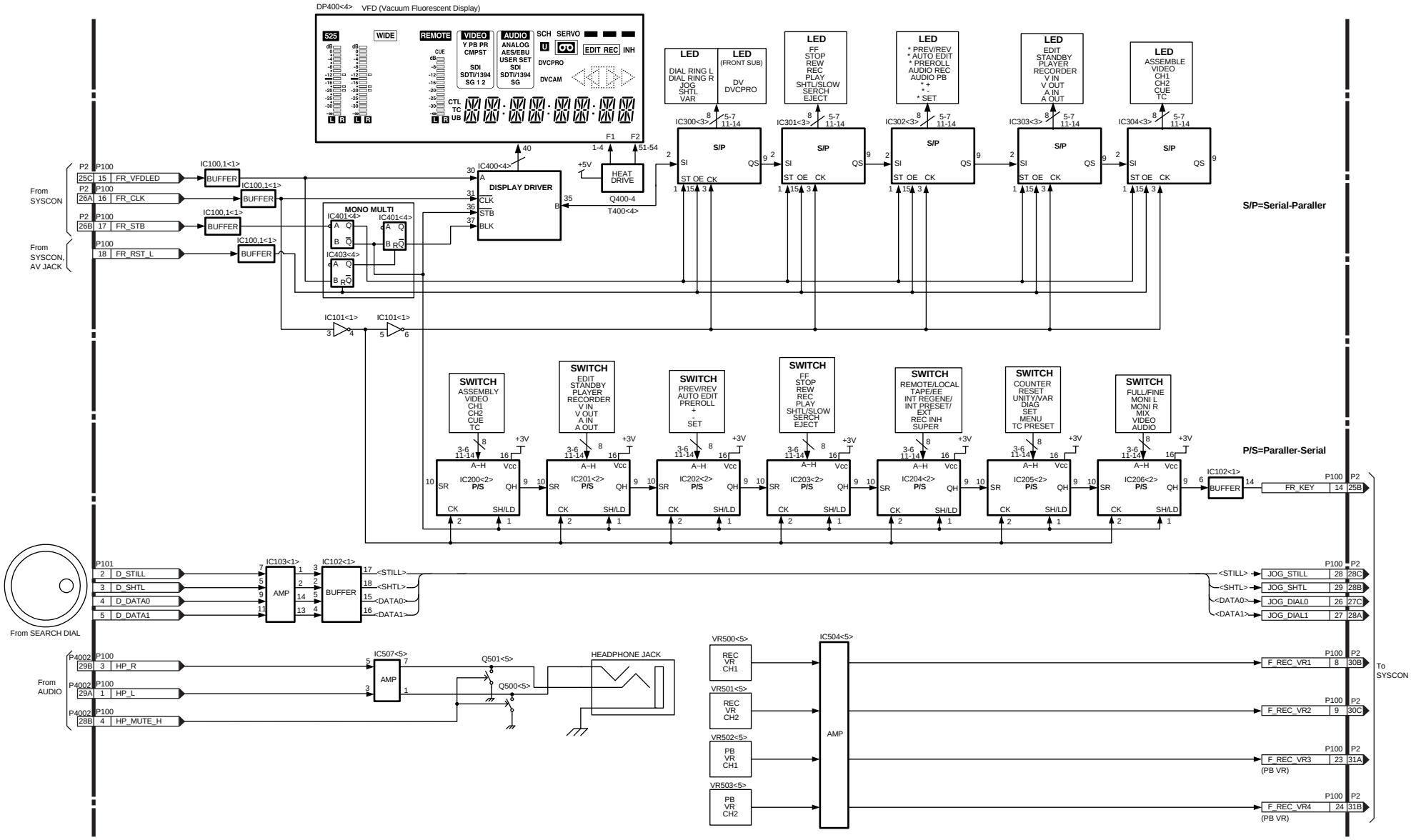
F8: RF/CUE, RF/EQ BLOCK DIAGRAM

<<Original>> <<PLAYBACK Signal>> <<REC & EE Signal>>

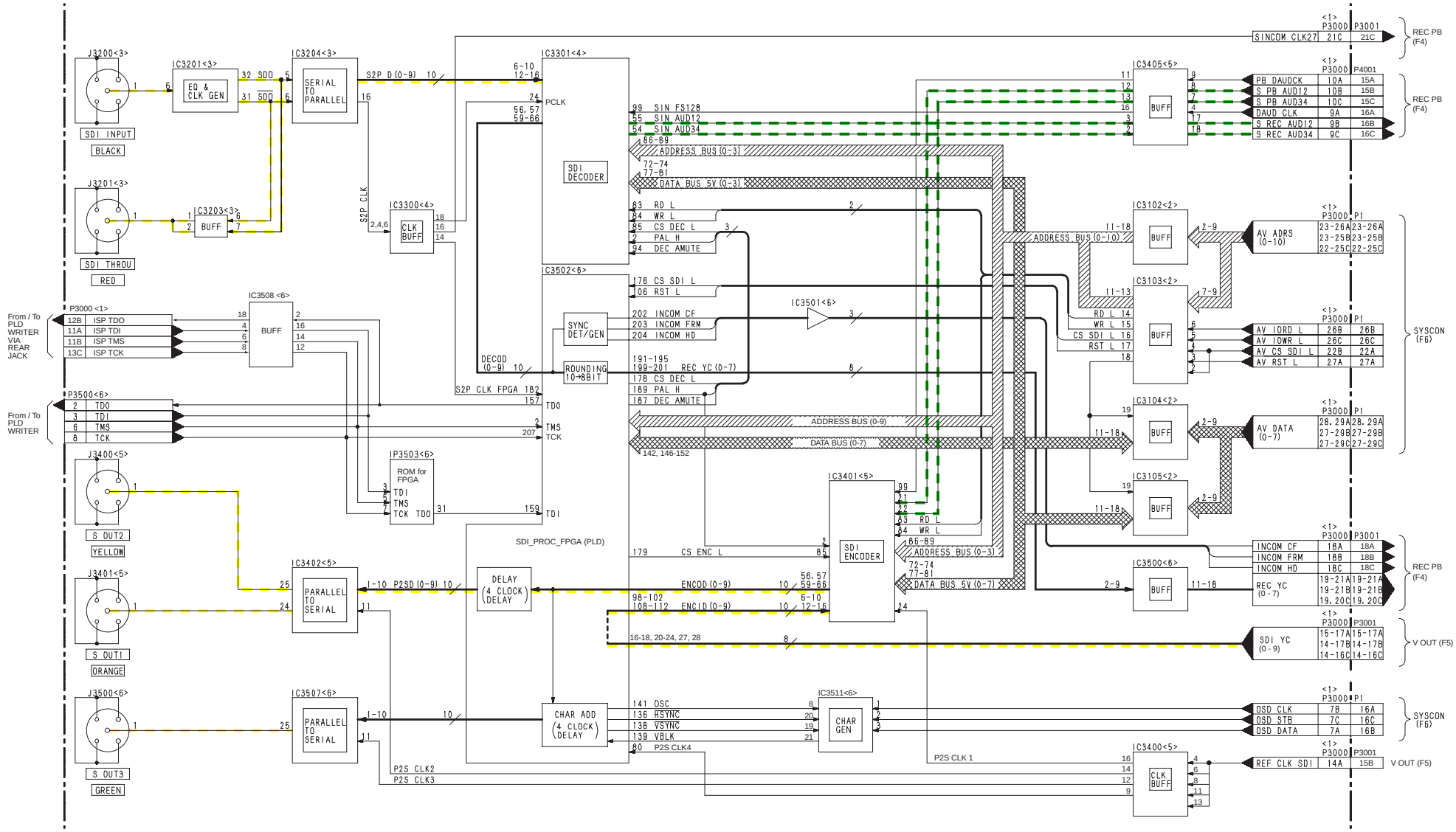


BLK-9

FRONT BLOCK DIAGRAM

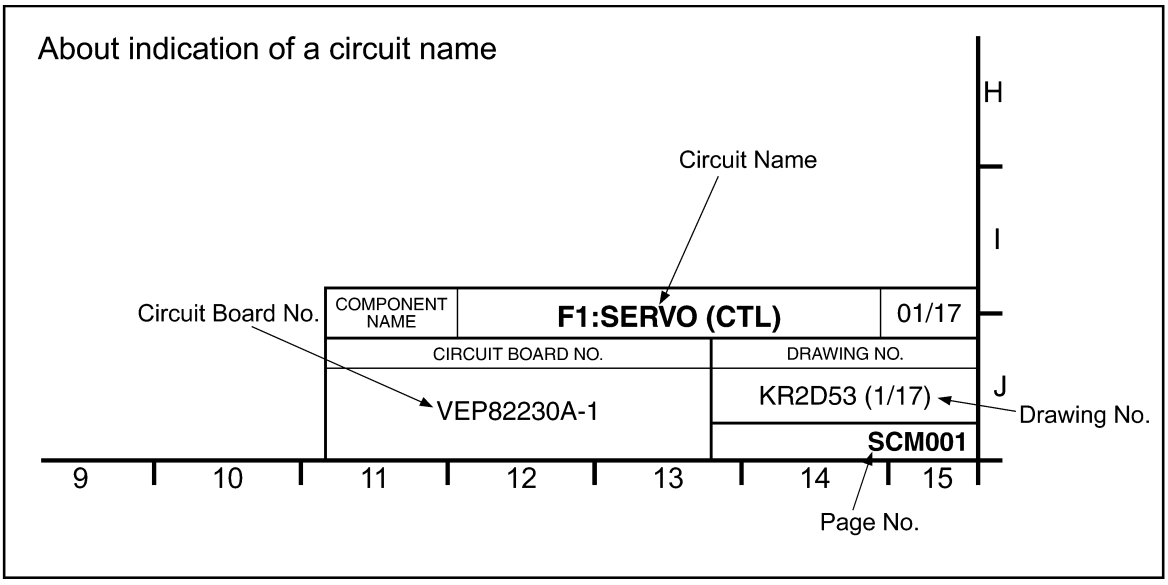


F3A: SDI BLOCK DIAGRAM (AJ-YA755G: OPTION)



SECTION 6

SCHEMATIC DIAGRAMS



NOTE:
BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 7

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.
PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

<< AJ-SD755P/E, D755MC >>

MOTHER
AUDIO (01/10) SCM001
V_IN, APROC (02/10) SCM002
SDI, SDTI (03/10) SCM003
RECPB (04/10) SCM004
VOUT (05/10) SCM005
SYSCON (06/10) SCM006
SERVO (07/10) SCM007
RF/EQ, RFCUE (08/10) SCM008
MECHA_IF, POWER (09/10) SCM009
FRONT, AV JACK (10/10) SCM010

F1: AUDIO
CONNECTOR (01/13) SCM011
INPUT_12 (02/13) SCM012
INPUT_34 (03/13) SCM013
CODEC_12/34 (04/13) SCM014
D/A_LR (05/13) SCM015
OUTPUT_12 (6/13) SCM016
OUTPUT_34 (07/13) SCM017
OUTPUT_LR (08/13) SCM018
PIO (09/13) SCM019
CUE_R/P (10/13) SCM020
CUE_CODEC (11/13) SCM021
CUE_IN/OUTPUT (12/13) SCM022
ISP (13/13) SCM023

F2A: V_IN (NTSC)
CONNECTOR (01/19) SCM024
POWER (02/19) SCM025
COMP_IN (03/19) SCM026
1st_AD (04/19) SCM027
SDEC (05/19) SCM028
DECBUF (06/19) SCM029
4fsc_PLL (07/19) SCM030
CDEM (08/19) SCM031
SYNC_SEP (09/19) SCM032
135M_PLL (10/19) SCM033
M2B_SEL (11/19) SCM034
2nd_AD_Y (12/19) SCM035
2nd_AD_PB (13/19) SCM036
2nd_AD_PR (14/19) SCM037
EVR (15/19) SCM038
DIG_GEN (16/19) SCM039
OUT BUFF (17/19) SCM040
COM_BUFF (18/19) SCM041
ISP (19/19) SCM042

F2A: V_IN (PAL)
CONNECTOR (01/19) SCM043
POWER (02/19) SCM044
COMP_IN (03/19) SCM045
1st_AD (04/19) SCM046
SDEC (05/19) SCM047
DECBUF (06/19) SCM048
4fsc_PLL (07/19) SCM049
CDEM (08/19) SCM050
SYNC_SEP (09/19) SCM051
135M_PLL (10/19) SCM052
M2B_SEL (11/19) SCM053
2nd_AD_Y (12/19) SCM054
2nd_AD_PB (13/19) SCM055
2nd_AD_PR (14/19) SCM056
EVR (15/19) SCM057
DIG_GEN (16/19) SCM058
OUTBUFF (17/19) SCM059
COM_BUFF (18/19) SCM060
ISP (19/19) SCM061

F2B: APROC
CONNECTOR (01/12) SCM062
POWER (02/12) SCM063
AVIF (03/12) SCM064
IOBUF (04/12) SCM065
PLL (05/12) SCM066
ISP (06/12) SCM067
PCMCNT (07/12) SCM068
AES_SRC (08/12) SCM069
DIFCNT (09/12) SCM070
SLOW (10/12) SCM071
ACNT (11/12) SCM072
SRC (12/12) SCM073

F4: REC PB
MOTHER (01/26) SCM074
POWER (02/26) SCM075
PLL/VCO (03/26) SCM076
IO PROC [IO, VBLK] (04/26) SCM077
REC_PREP (05/26) SCM078
411 FILTER (06/26) SCM079
REC_COMP (07/26) SCM080
REC_VBLK (08/26) SCM081
DV_PROC (09/26) SCM082
DVBUS_EE_FIFO (10/26) SCM083
REC_ECC100 (11/26) SCM084
RF_PROC (12/26) SCM085
PB_ECC100 (13/26) SCM086
PB_COMP (14/26) SCM087
PB_PREP (15/26) SCM088
PB_411_FILTER (16/26) SCM089
VIDEO_DATA (17/26) SCM090
PB_VBLK (18/26) SCM091
PB_PLL (19/26) SCM092
TEL_TXT (20/26) SCM093
SLOW CTRL (21/26) SCM094
IO_BUFF (22/26) SCM095
MPU_BUS_I/F (23/26) SCM096
DV_uP (24/26) SCM097
DV_ETC (25/26) SCM098
36M PLL (26/26) SCM099

F5: V OUT (NTSC)
CONNECTOR (01/16) SCM100
IN_BUFF (02/16) SCM101
TBC_CTRL (03/16) SCM102
TBC_LSI (04/16) SCM103
TBC_FIFO (05/16) SCM104
INTERPOLATION (06/16) SCM105
PROC_AMP (07/16) SCM106
ENC_CTRL (08/16) SCM107
ENCODER (09/16) SCM108
COMPONENT_BUFF (10/16) SCM109
YC_MIX (11/16) SCM110
COMPOSITE_BUFF (12/16) SCM111
SYNC_SEP (13/16) SCM112
PLL (14/16) SCM113
SYNC_GEN (15/16) SCM114
OUT_BUFF (16/16) SCM115

F5: V OUT (PAL)
CONNECTOR (01/16) SCM116
IN_BUFF (02/16) SCM117
TBC_CTRL (03/16) SCM118
TBC_LSI (04/16) SCM119
TBC_FIFO (05/16) SCM120
INTERPOLATION (06/16) SCM121
PROC_AMP (07/16) SCM122

ENC_CTRL (08/16) SCM123
ENCODER (09/16) SCM124
COMPONENT_BUFF (10/16) SCM125
YC_MIX (11/16) SCM126
COMPOSITE_BUFF (12/16) SCM127
SYNC_SEP (13/16) SCM128
PLL (14/16) SCM129
SYNC_GEN (15/16) SCM130
OUT_BUFF, PARTS TABLE (16/16) SCM131

F6: SYSCON

SYSCON (01/13) SCM132
IF uCOM (02/13) SCM133
NVRAM/232C (03/13) SCM134
9P (04/13) SCM135
BUFFER (05/13) SCM136
SYS_CTRL (06/13) SCM137
SYSAV (07/13) SCM138
TC GA (08/13) SCM139
TC IF (09/13) SCM140
ANALOG IF (10/13) SCM141
I/O BUFF1 (11/13) SCM142
I/O BUFF2 (12/13) SCM143
ISP (13/13) SCM144

F7: SERVO

CTL (01/13) SCM145
REEL_FG (02/13) SCM146
CA_CY_FG (03/13) SCM147
CPU (04/13) SCM148
PLD (05/13) SCM149
CPU_IF (06/13) SCM150
POWER (07/13) SCM151
SW2 (08/13) SCM152
SW1 (09/13) SCM153
RL_DRV (10/13) SCM154
CA_CY_DRV (11/13) SCM155
M_IF (12/13) SCM156
SERVO (13/13) SCM157

F8: RF/EQ

RF/EQ (01/13) SCM158
RF/EQ (02/13) SCM159
RF/EQ (03/13) SCM160
RF/EQ (04/13) SCM161
RF/EQ (05/13) SCM162
RF/EQ (06/13) SCM163
RF/EQ (07/13) SCM164
RF/EQ (08/13) SCM165
RF/EQ (09/13) SCM166
RF/EQ (10/13) SCM167
RF/EQ (11/13) SCM168
RF/EQ (12/13) SCM169
RF/EQ (13/13) SCM170

RF/CUE

RF/CUE (01/06) SCM171
RF/CUE (02/06) SCM172
RF/CUE (03/06) SCM173
RF/CUE (04/06) SCM174
RF/CUE (05/06) SCM175
RF/CUE (06/06) SCM176

FRONT

CONNECTOR, DIAL (01/05) SCM177
KEY (02/05) SCM178
LED (03/05) SCM179
VFD (04/05) SCM180
VR, HEADPHONE (05/05) SCM181

FRONT SUB

FRONT SUB (01/01) SCM182

AV JACK

AV JACK (01/06) SCM183
AV JACK (02/06) SCM184
AUDIO ANALOG I/O (03/06) SCM185
AES_IN/OUT (04/06) SCM186
AV JACK (05/06) SCM187
FPGA CONFIG PORT (06/06) SCM188

POWER 1

POWER 1 (01/02) SCM189
POWER 1 (02/02) SCM190

POWER 2

POWER 2 (01/01) SCM191

MECHA_IF

MECHA_IF (01/04) SCM192
MECHA_IF (02/04) SCM193
MECHA_IF (03/04) SCM194
MECHA_IF (04/04) SCM195

MECHA_IF2

MECHA_IF2 (01/01) SCM196

EJECT

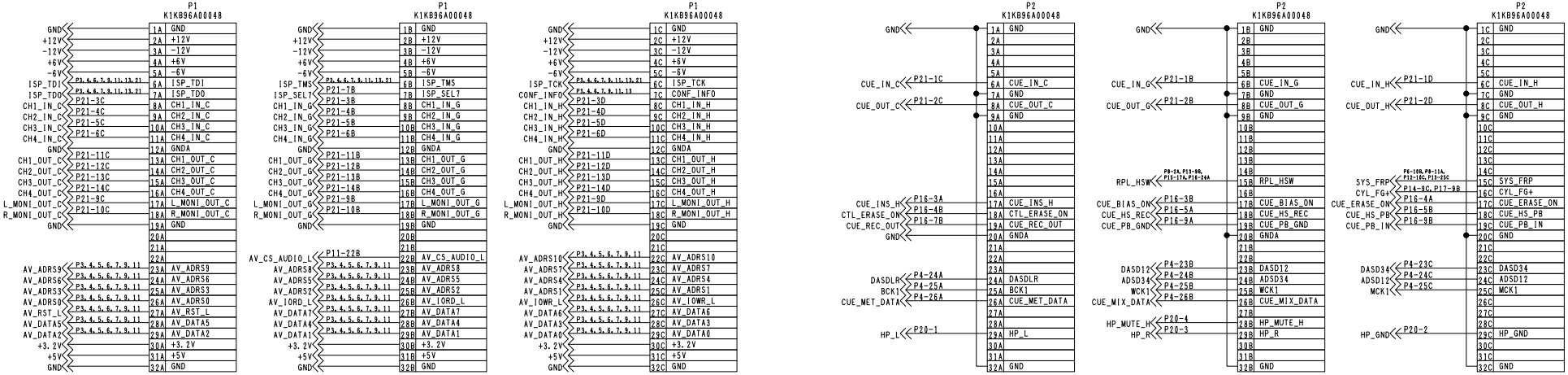
EJECT (01/01) SCM197

<< AJ-YA755G : OPTION >>

F3A: SDI

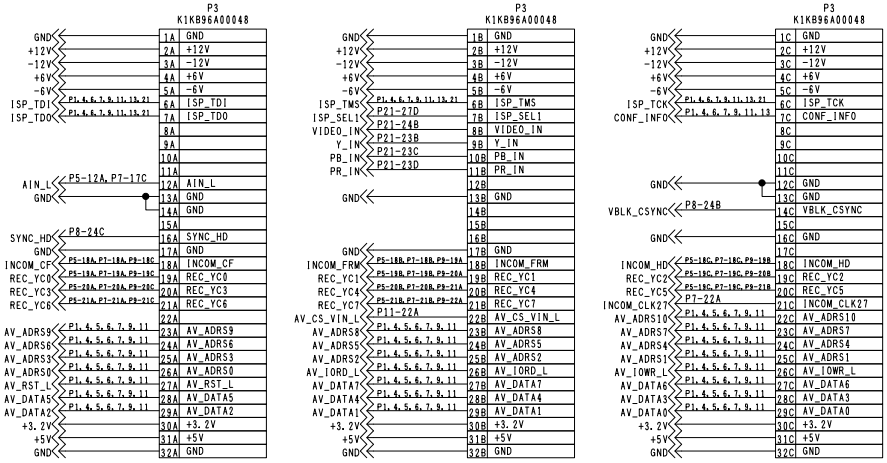
CONNECTOR (01/06) SCM198
SYSIO (02/06) SCM199
S2P (03/06) SCM200
DECODER (04/06) SCM201
P2S_1 (05/06) SCM202
P2S_2 (06/06) SCM203

F1 (AUDIO)

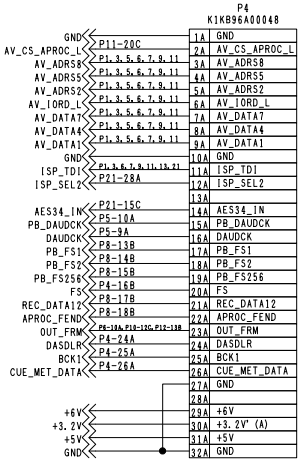


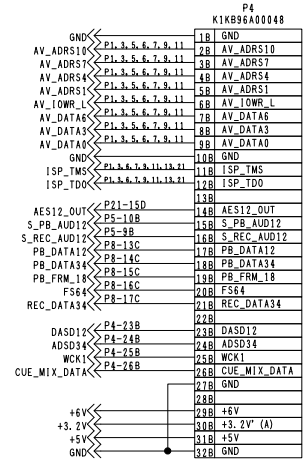
COMPONENT NAME	**MOTHER(AUDIO)**	01/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (1/10) (0)
		SCM001

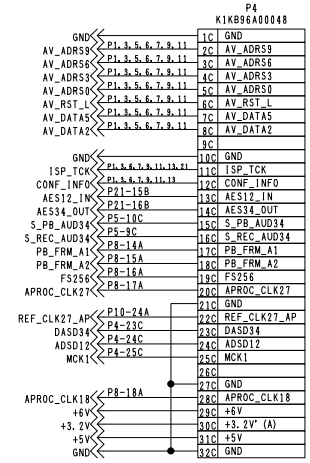
F2A (V_IN)



F2B (APROC)





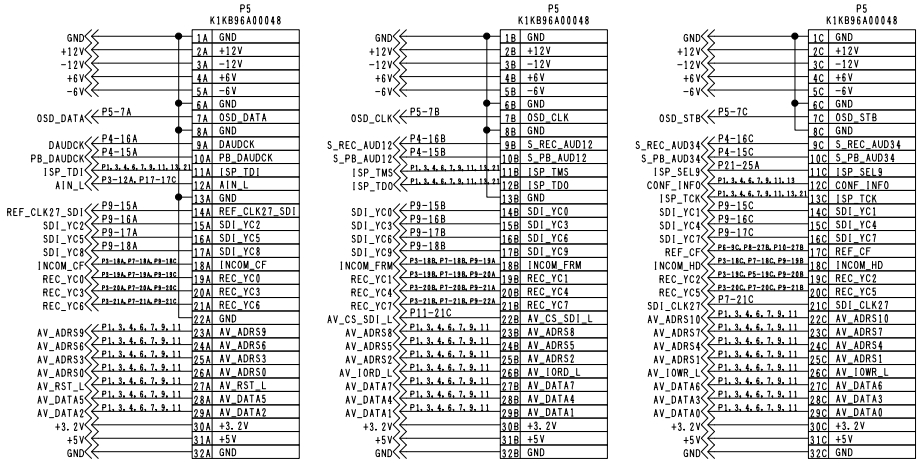


COMPONENT NAME	**MOTHER(V_IN, APROC)**	02/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (2/10) (0)
		SCM002

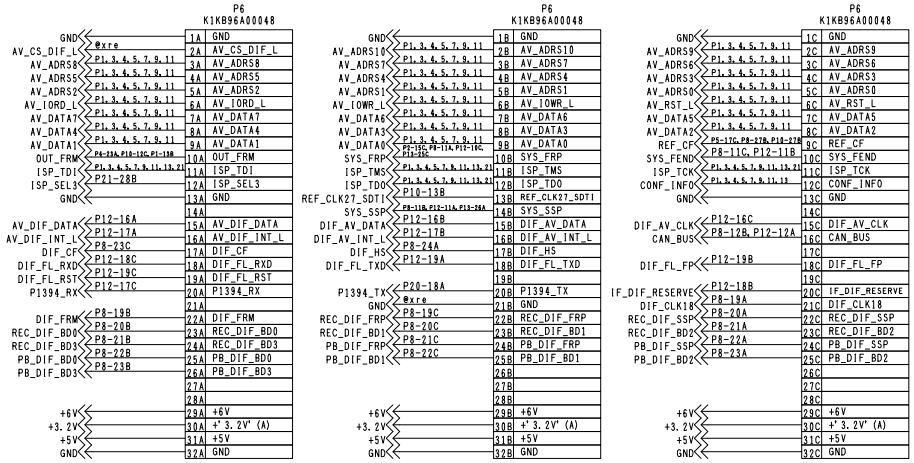
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

F3A (SDI)



F3B (SDTI)

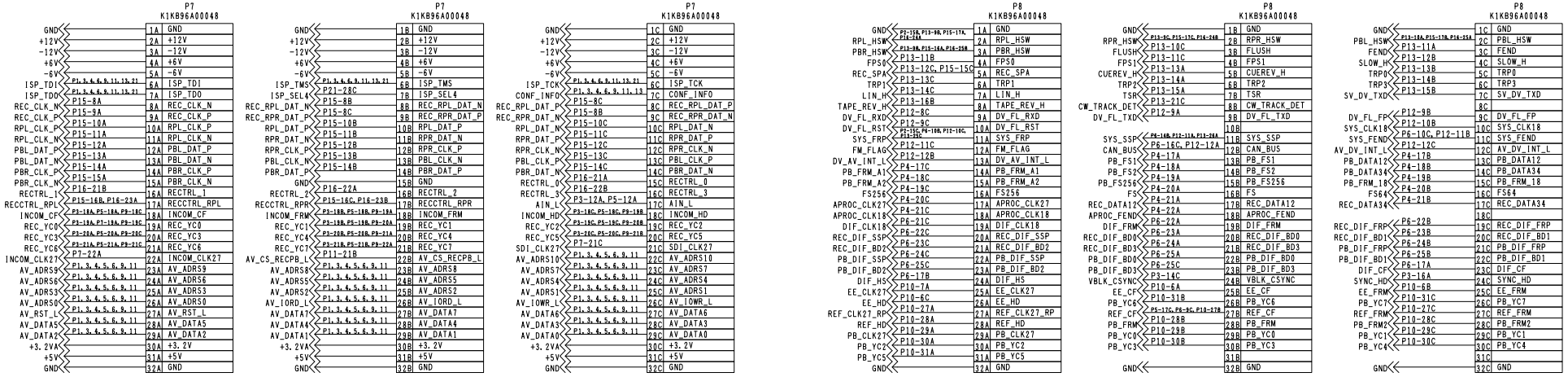


COMPONENT NAME	**MOTHER(SDI, SDTI)**	03/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (3/10) (0)
		SCM003

A B C D E F G H I J

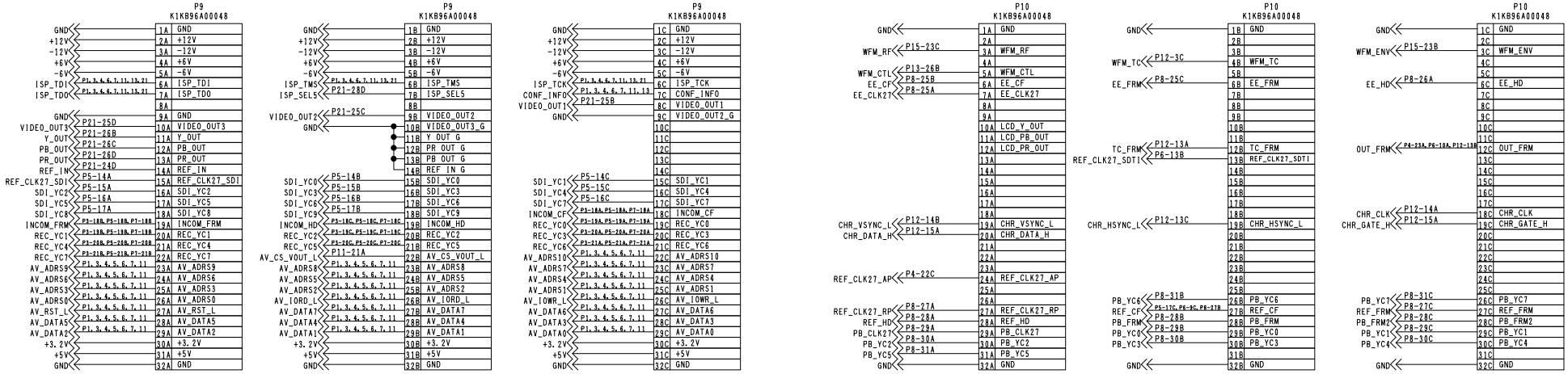
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

F4 (RECPB)



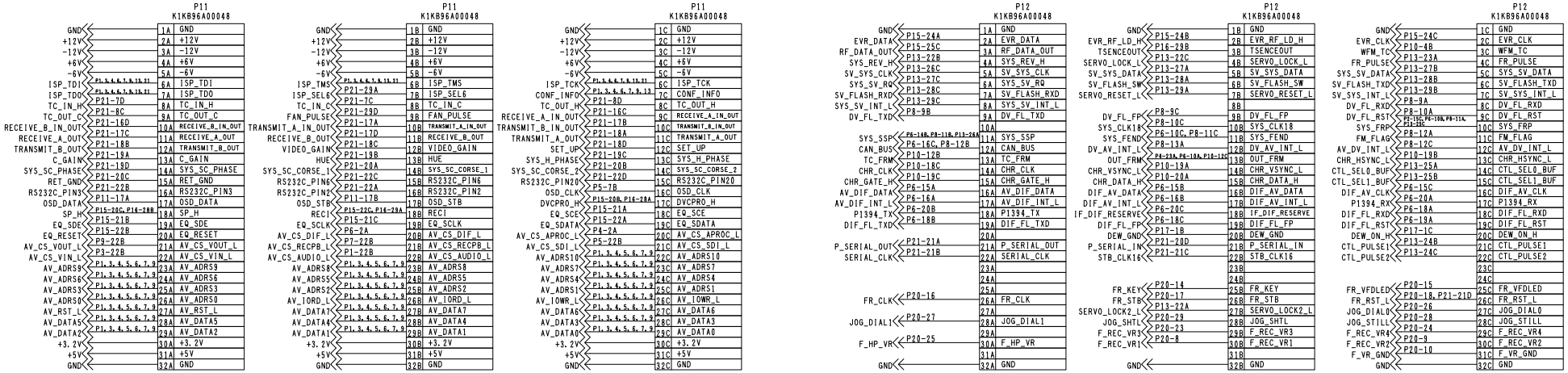
COMPONENT NAME	**MOTHER(RECPB)**	04/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (4/10) (0)
		SCM004

F5 (VOUT)



COMPONENT NAME	MOTHER(VOUT)	05/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (5/10) (0)
		SCM005

F6 (SYSCON)

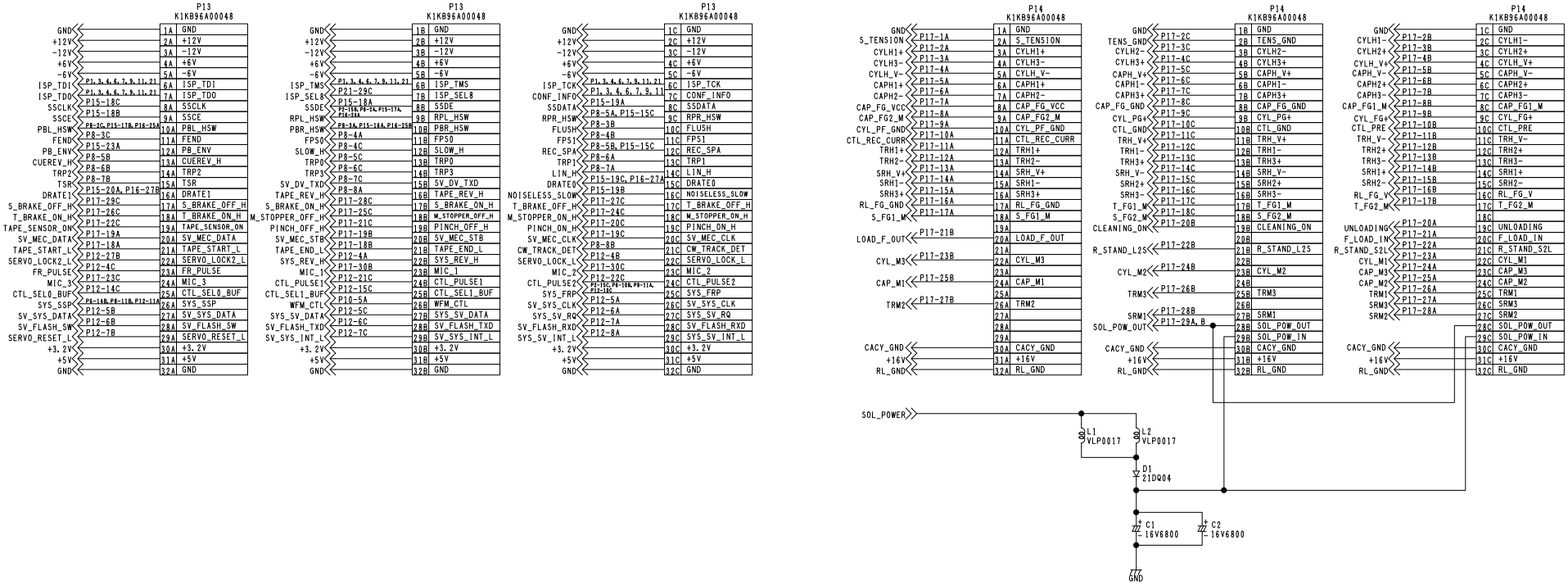


COMPONENT NAME	**MOTHER(SYSCON)**		06/10
CIRCUIT BOARD NO.		DRAWING NO.	
VEP80C41A		KR0R98 (6/10) (0)	
		SCM006	

A B C D E F G H I J

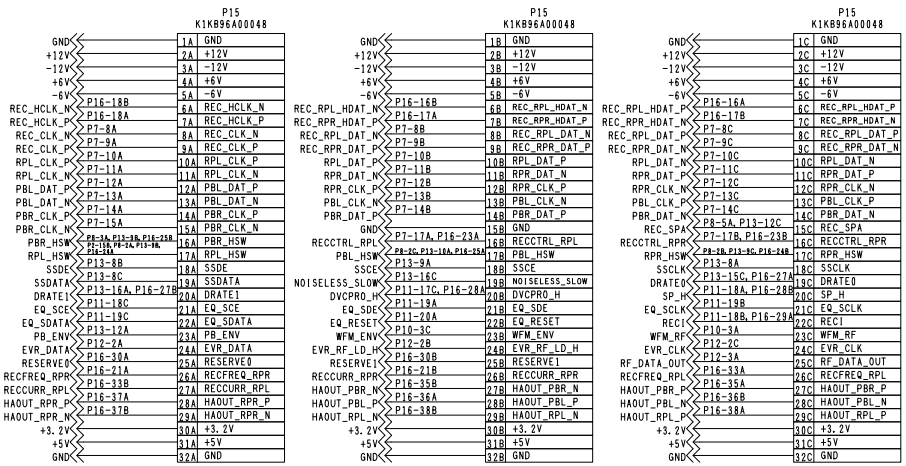
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

F7 (SERVO)

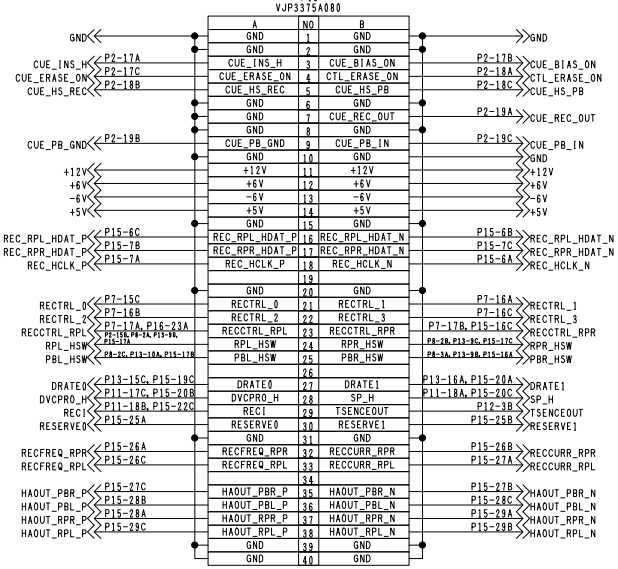


COMPONENT NAME	MOTHER(SERVO)	07/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (7/10) (0)
		SCM007

F8 (RF/EQ)

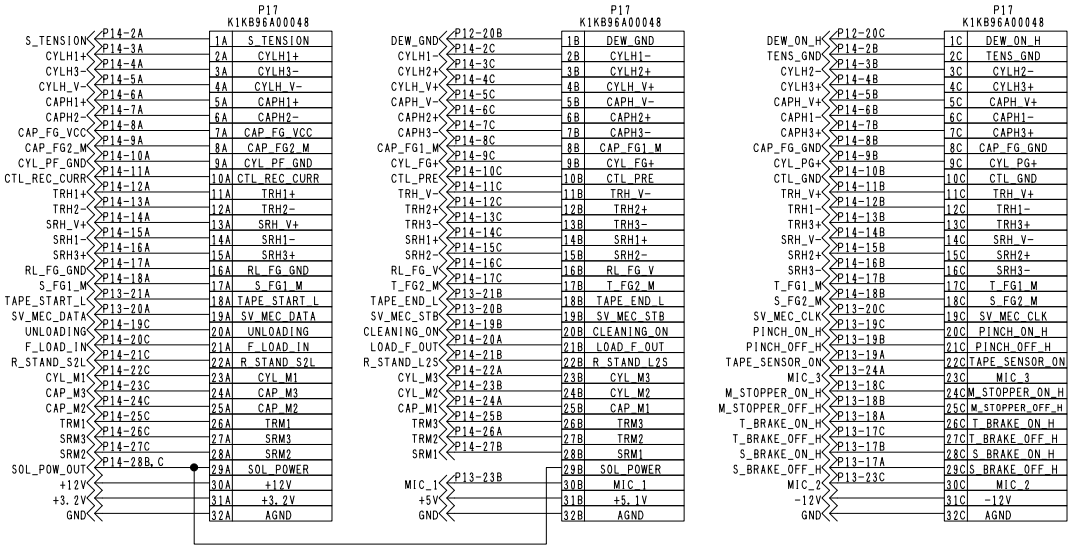


HEAD_BUFF (RFCUE)

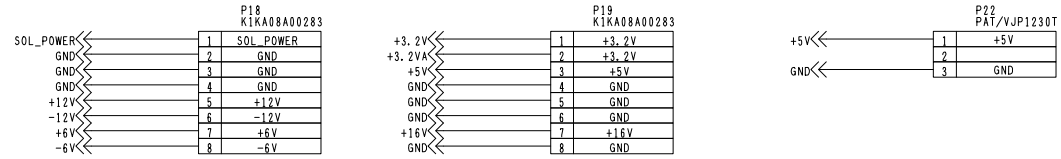


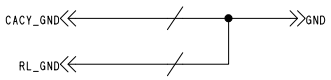
COMPONENT NAME	**MOTHER(RF/EQ, RFCUE)**	08/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (8/10) (0)
		SCM008

MECHA_IF



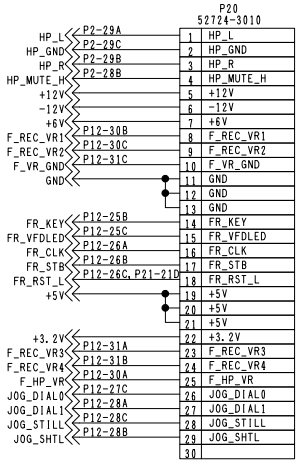
POWER



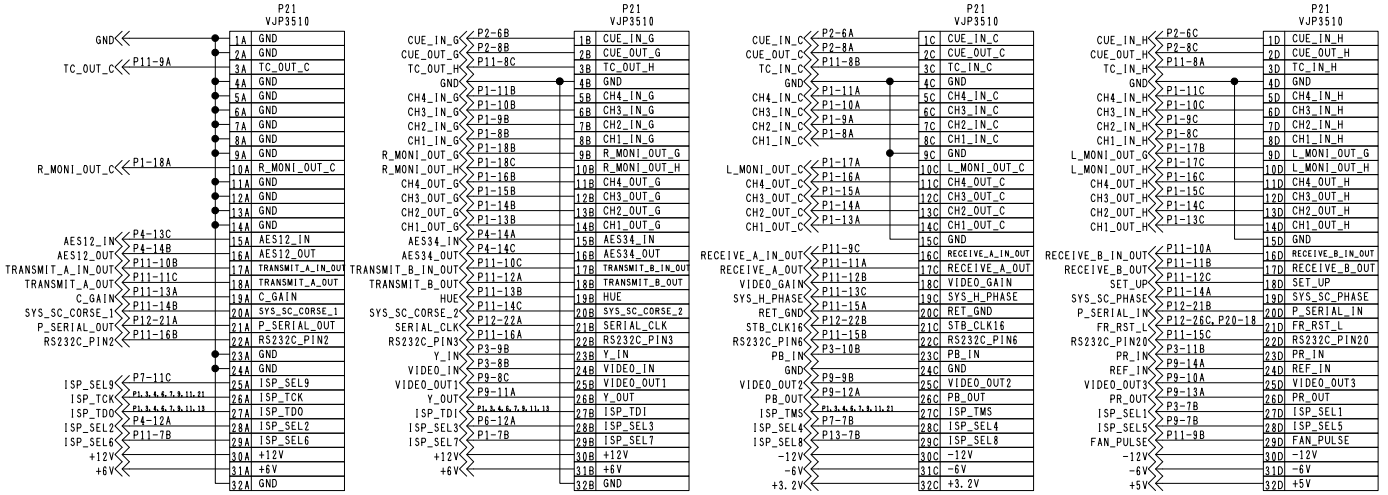


COMPONENT NAME	MOTHER(MECHA_IF, POWER)	09/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (9/10) (0)
		SCM009

FRONT



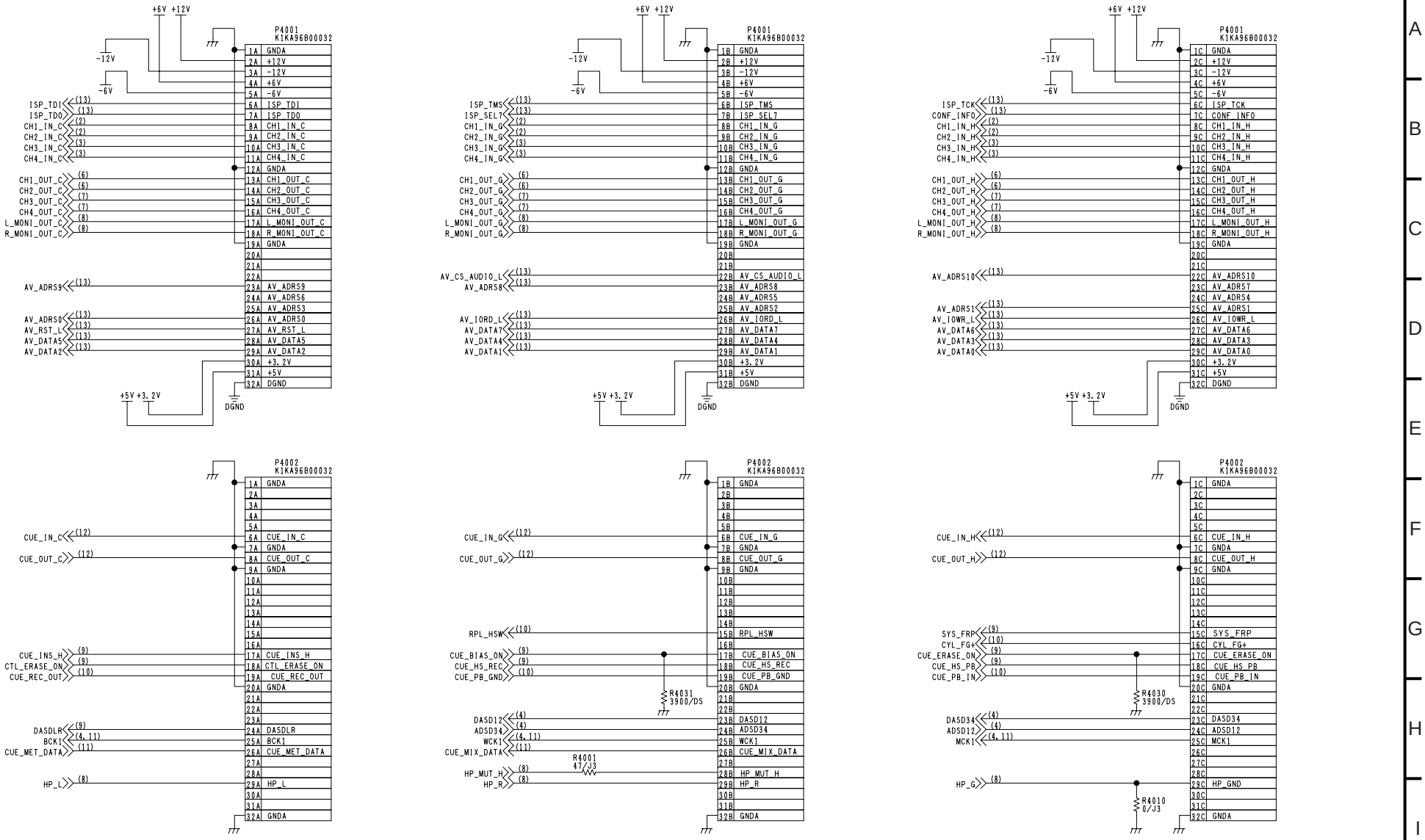
AVJACK



COMPONENT NAME	MOTHER(FRONT, AV JACK)	10/10
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C41A		KR0R98 (10/10) (0)
		SCM010

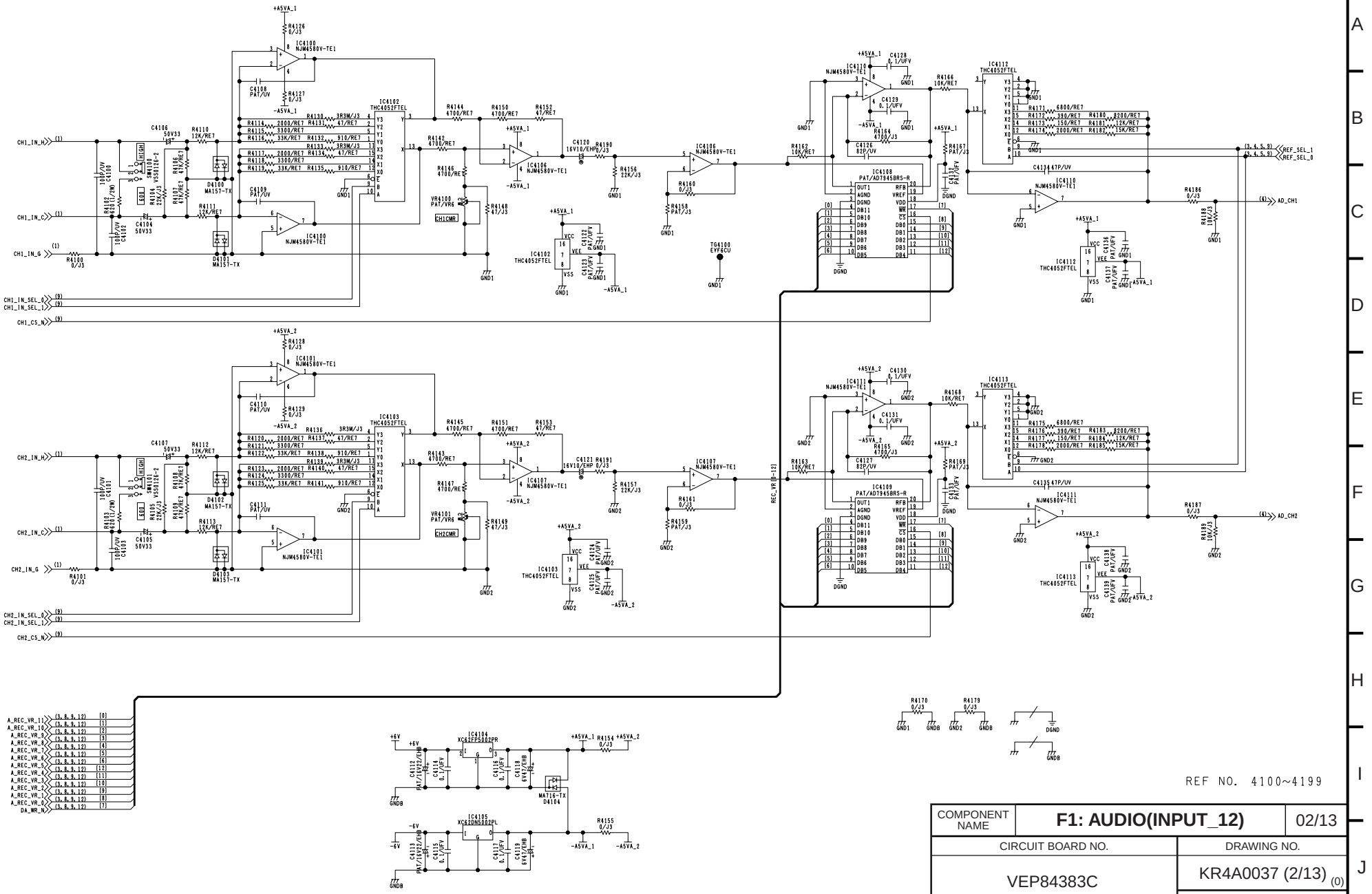
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



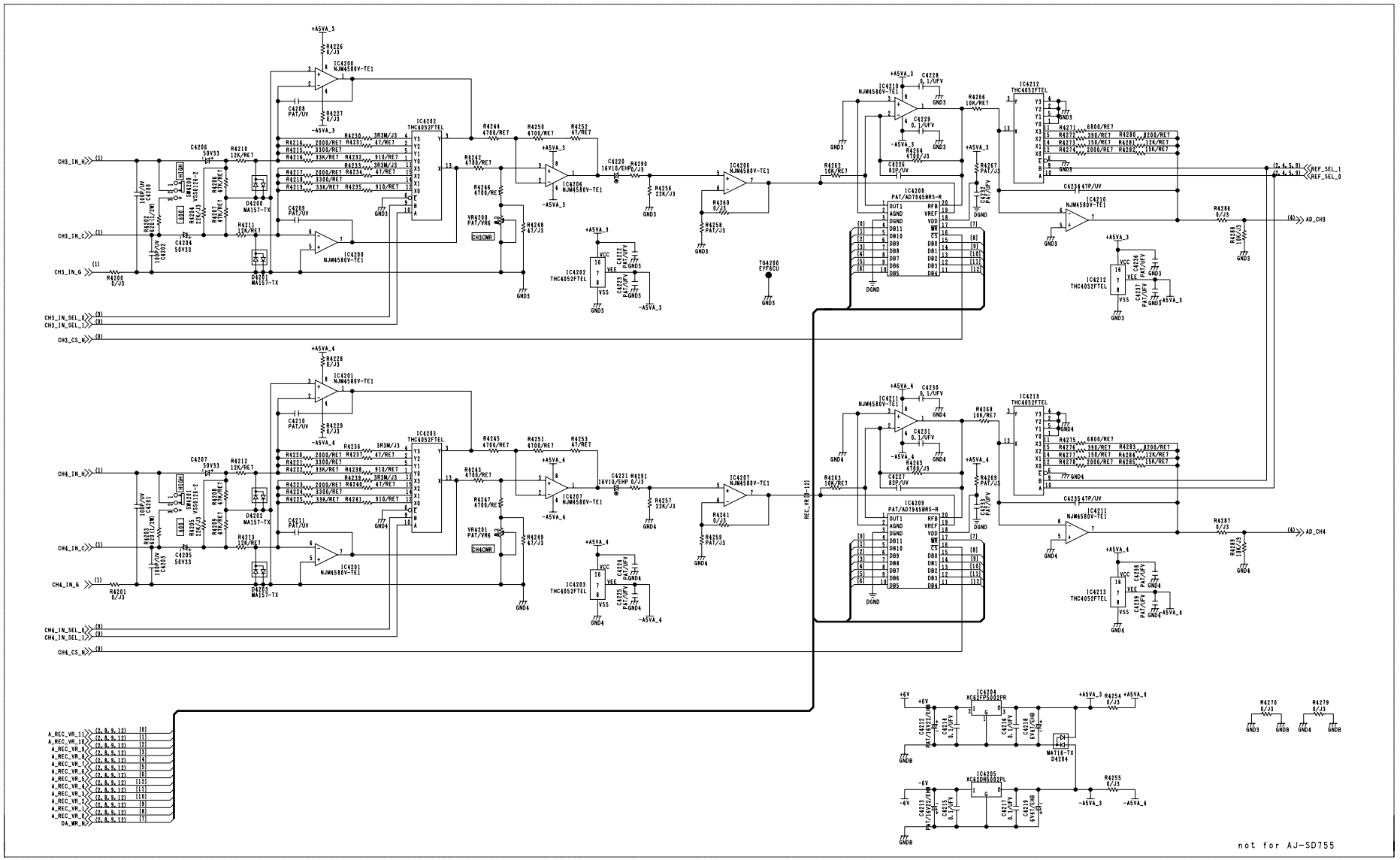
COMPONENT NAME	**F1: AUDIO(CONNECTOR)**	01/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (1/13) (0)
		SCM011

REF NO. 4000~4099



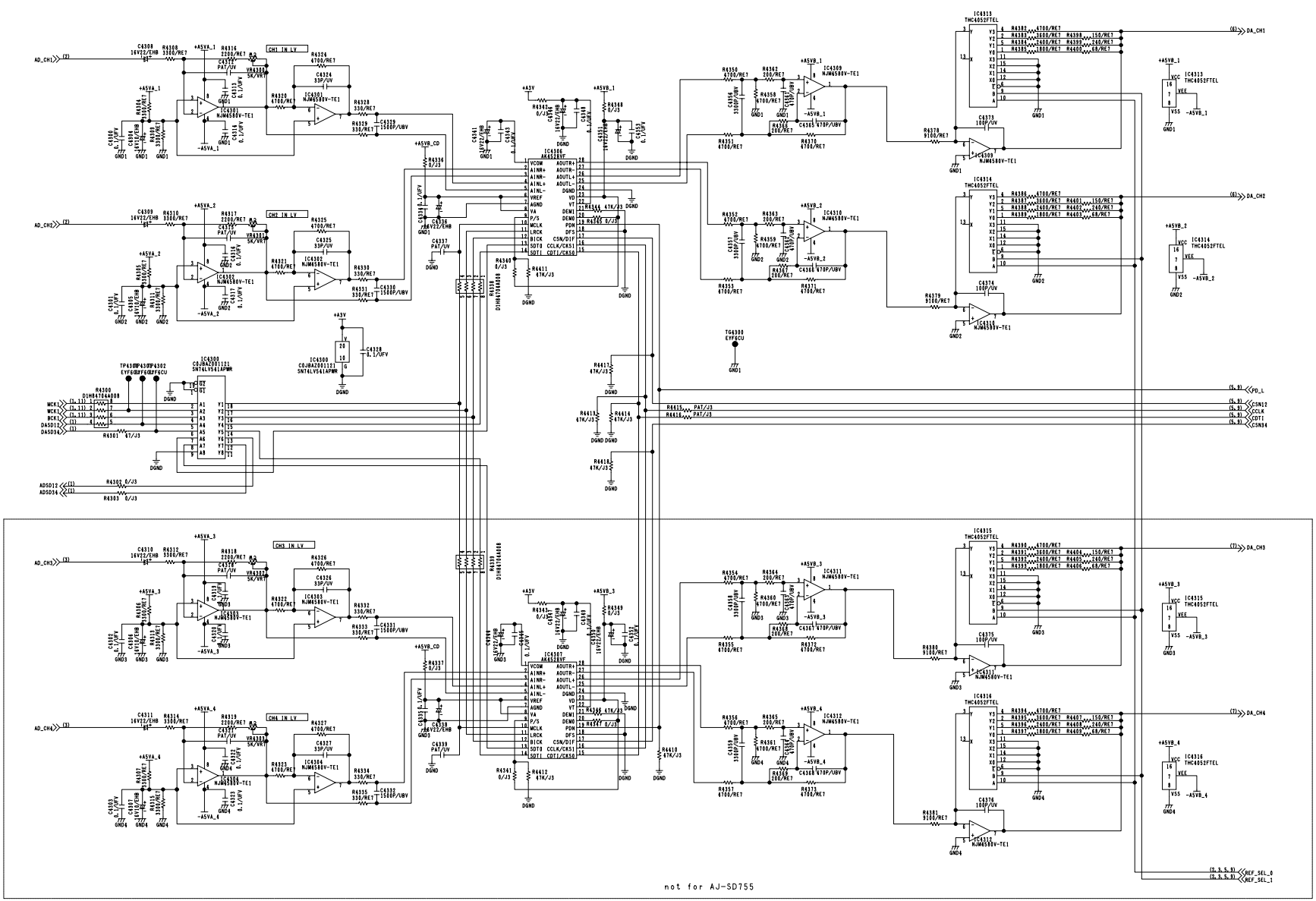
REF NO. 4100~4199

COMPONENT NAME	F1: AUDIO(INPUT_12)	02/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (2/13) (0)
		SCM012



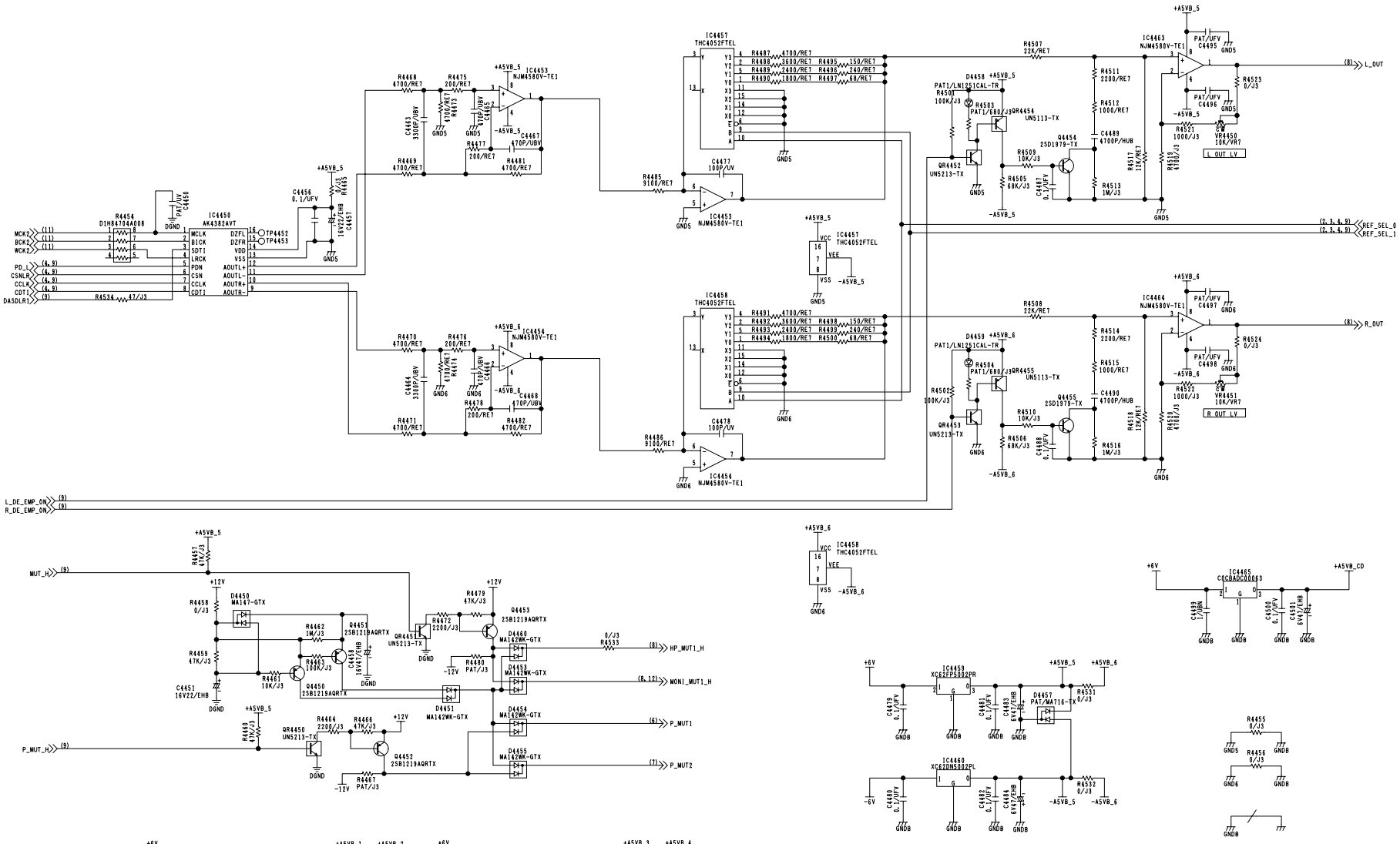
COMPONENT NAME	F1: AUDIO(INPUT_34)	03/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (3/13) (0)
		SCM013

REF NO. 4200~4299



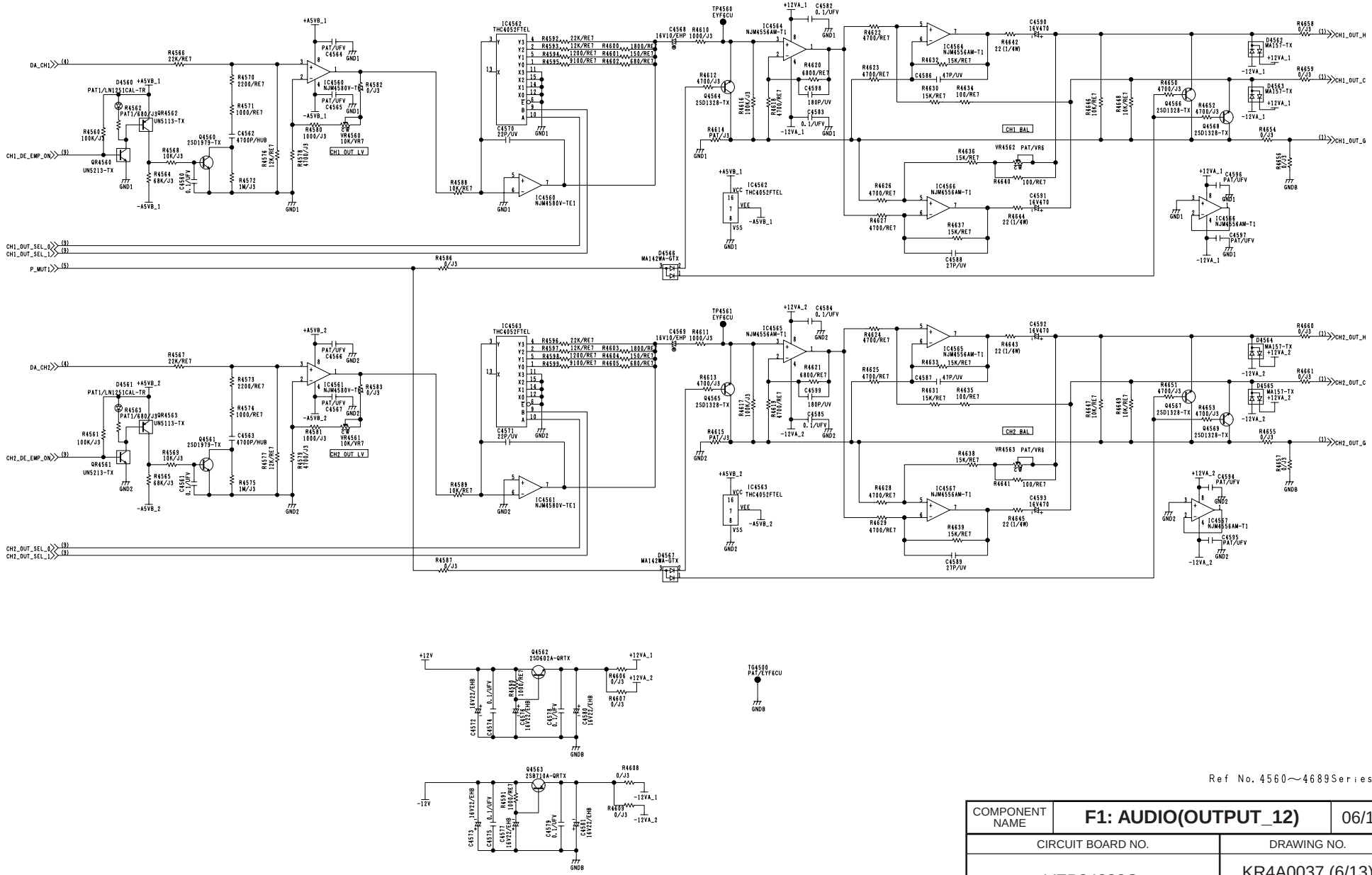
COMPONENT NAME	F1: AUDIO(CODEC_12/34)	04/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (4/13) (0)
		SCM014

REF NO. 4300~4449

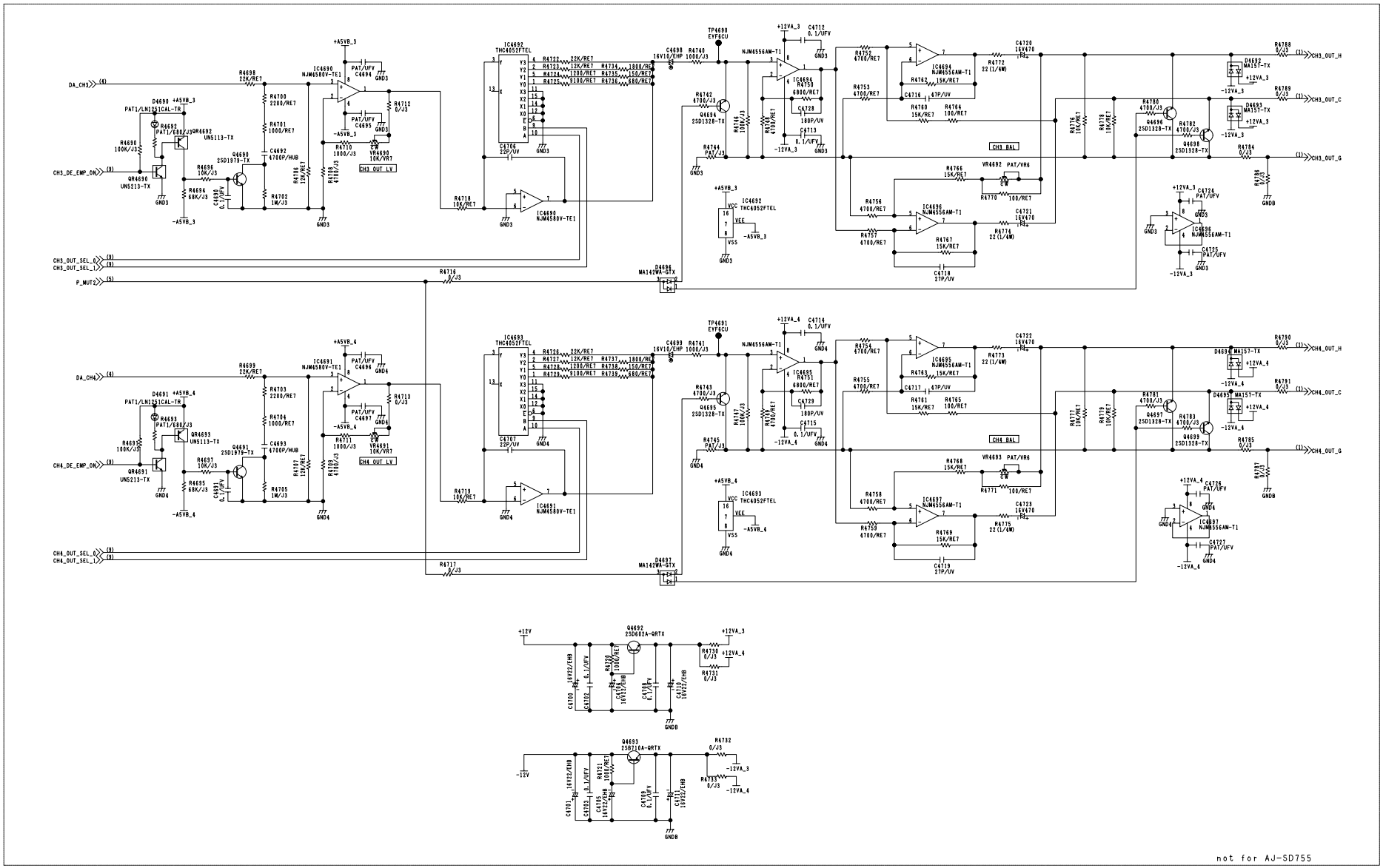


REF NO. 4450~4559

COMPONENT NAME	F1: AUDIO(D/A_LR)	05/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (5/13) (0)
		SCM015

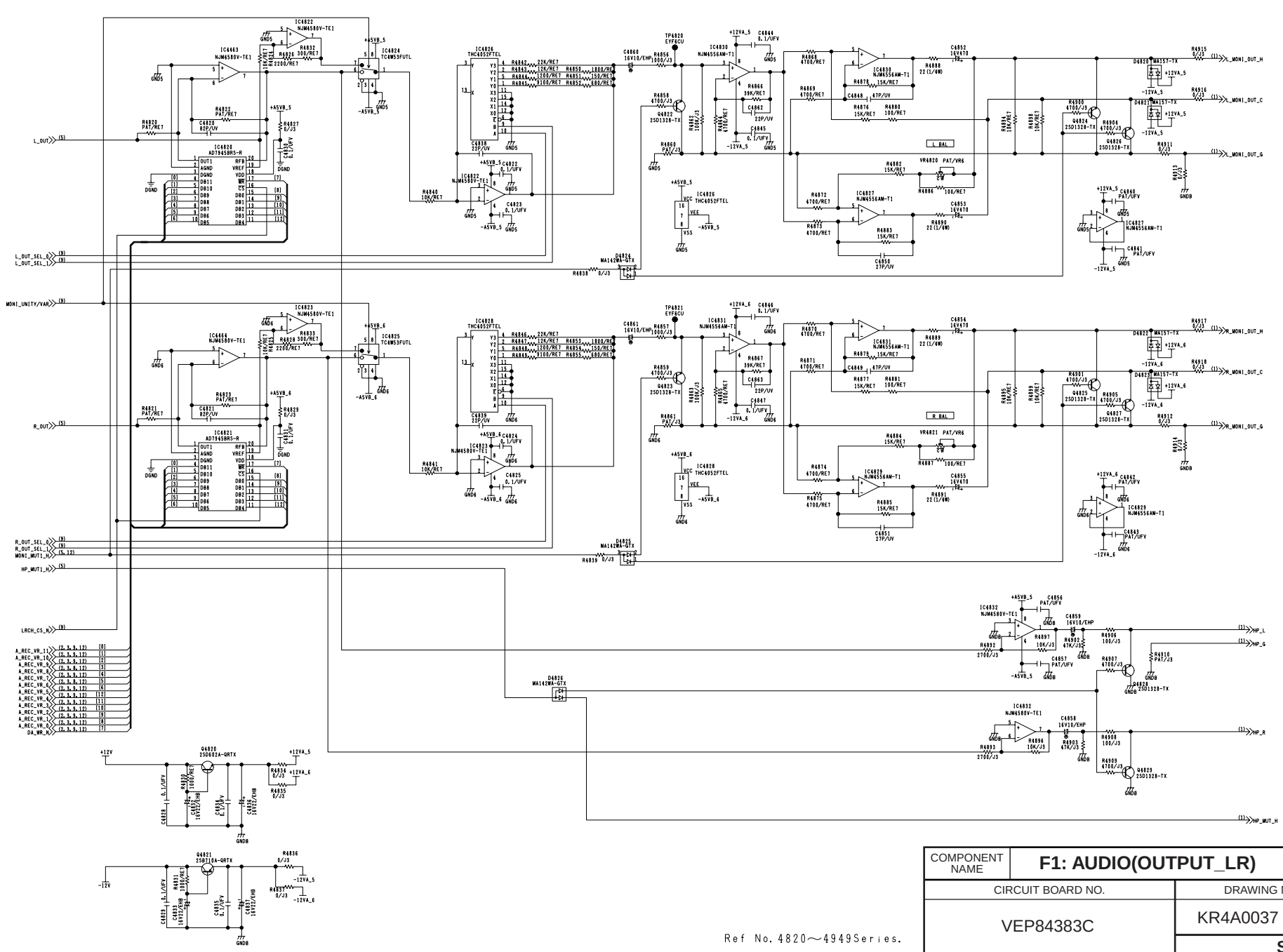


COMPONENT NAME	**F1: AUDIO(OUTPUT_12)**	06/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (6/13) (0)
		SCM016



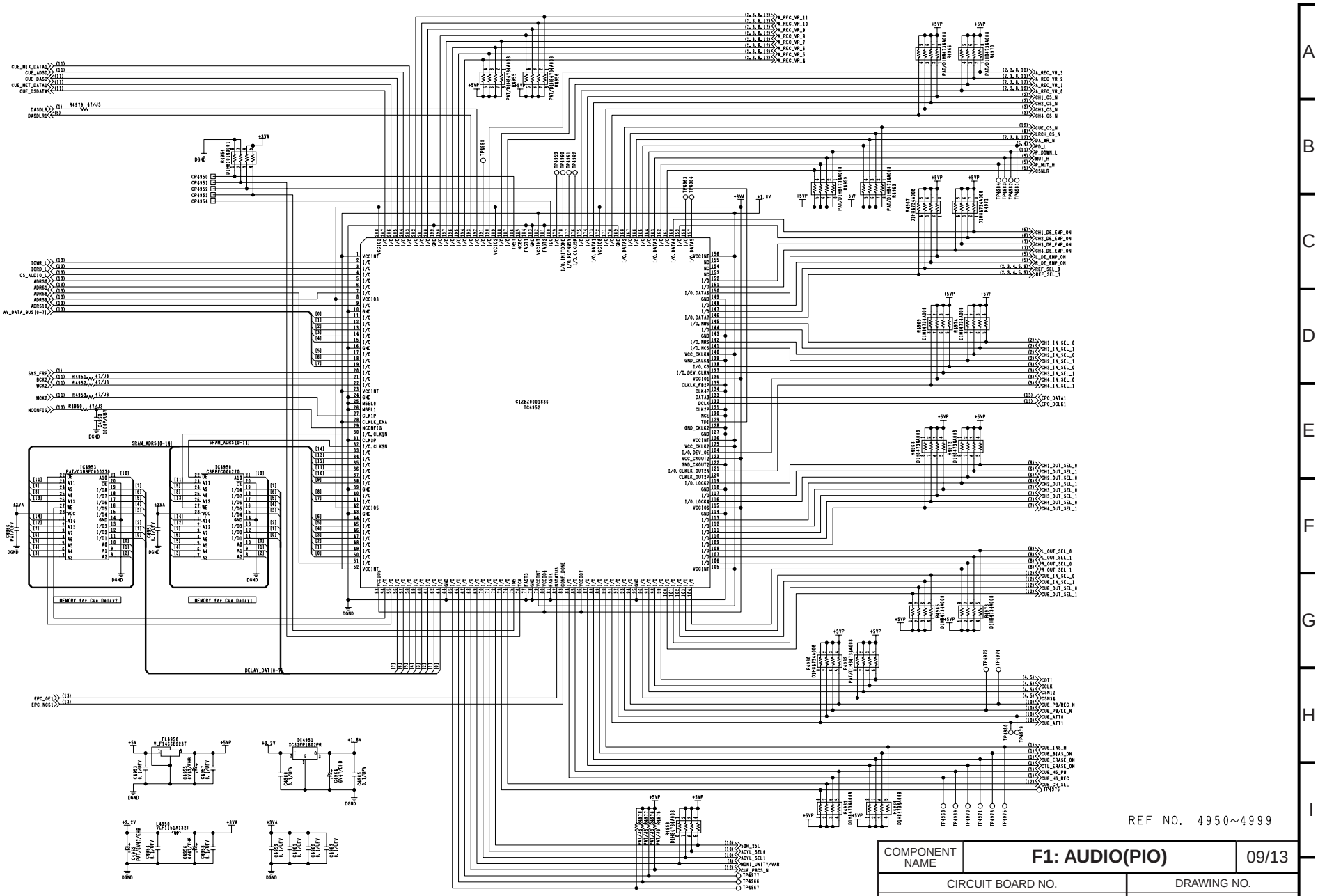
Ref No. 4690～4819Series.

COMPONENT NAME	F1: AUDIO(OUTPUT_34)	07/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (7/13) (0)
		SCM017



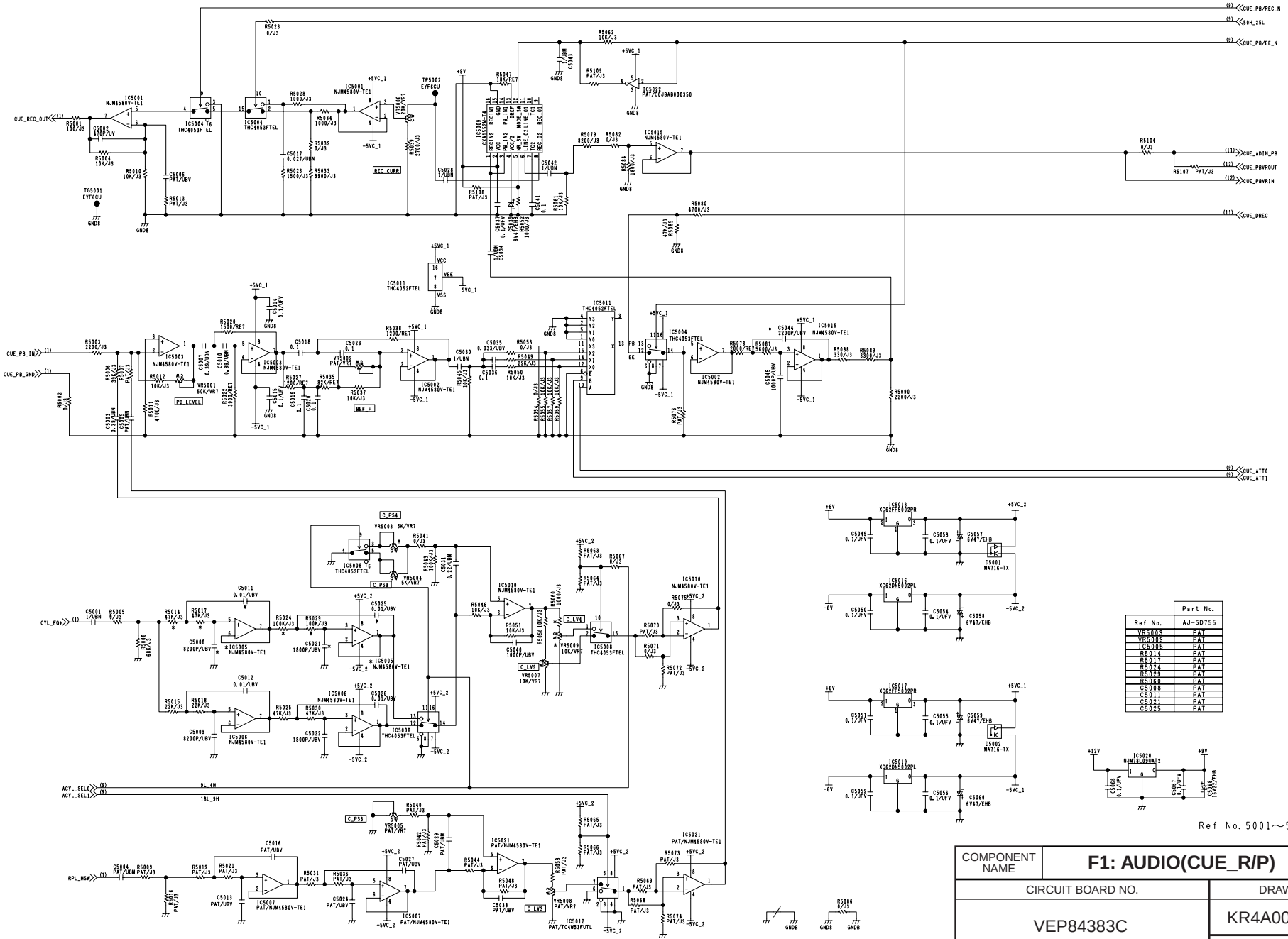
COMPONENT NAME	F1: AUDIO(OUTPUT_LR)	08/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (8/13) (0)
		SCM018

Ref No. 4820～4949Series.



REF NO. 4950~4999

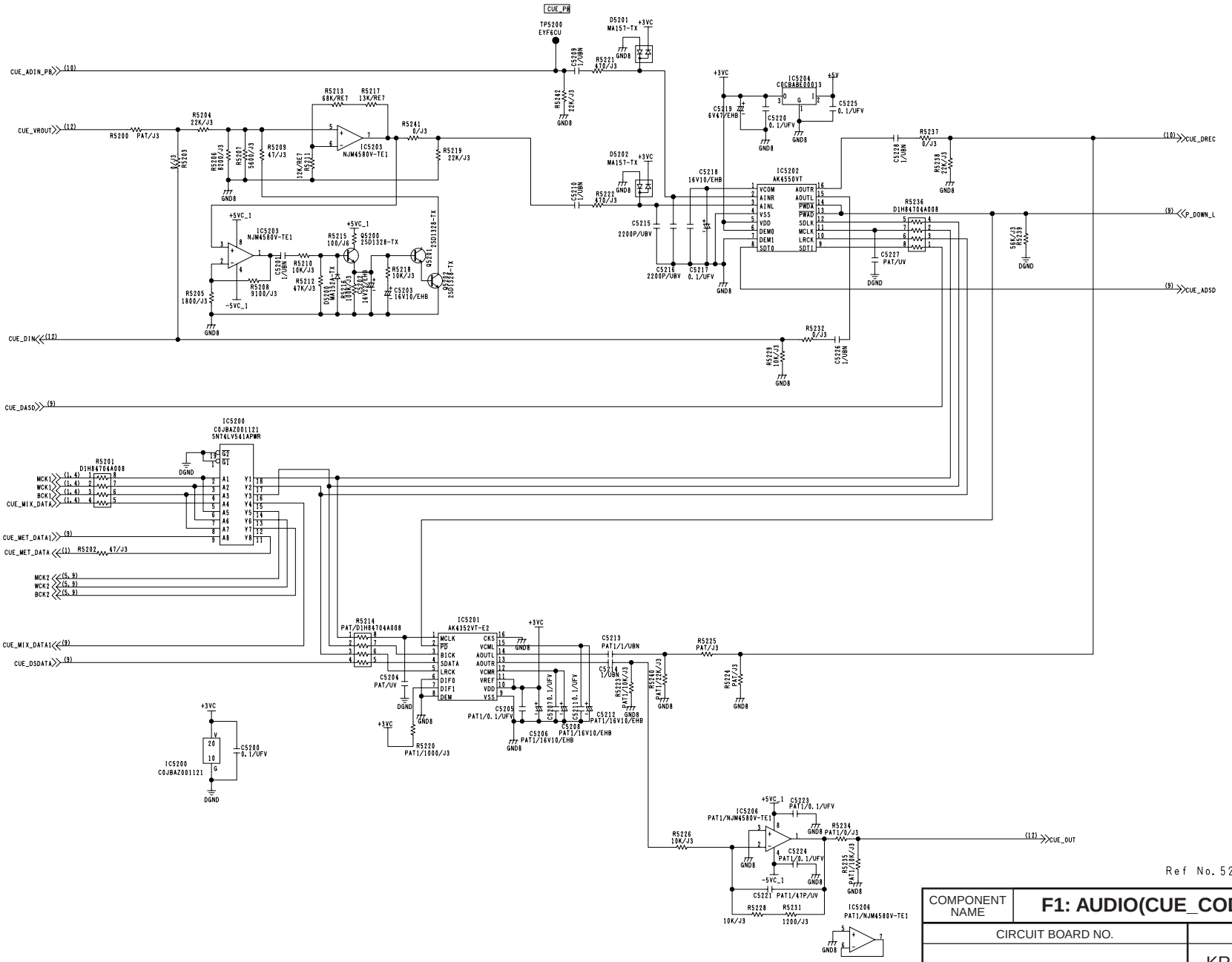
COMPONENT NAME	F1: AUDIO(PIO)	09/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (9/13) (0)
		SCM019



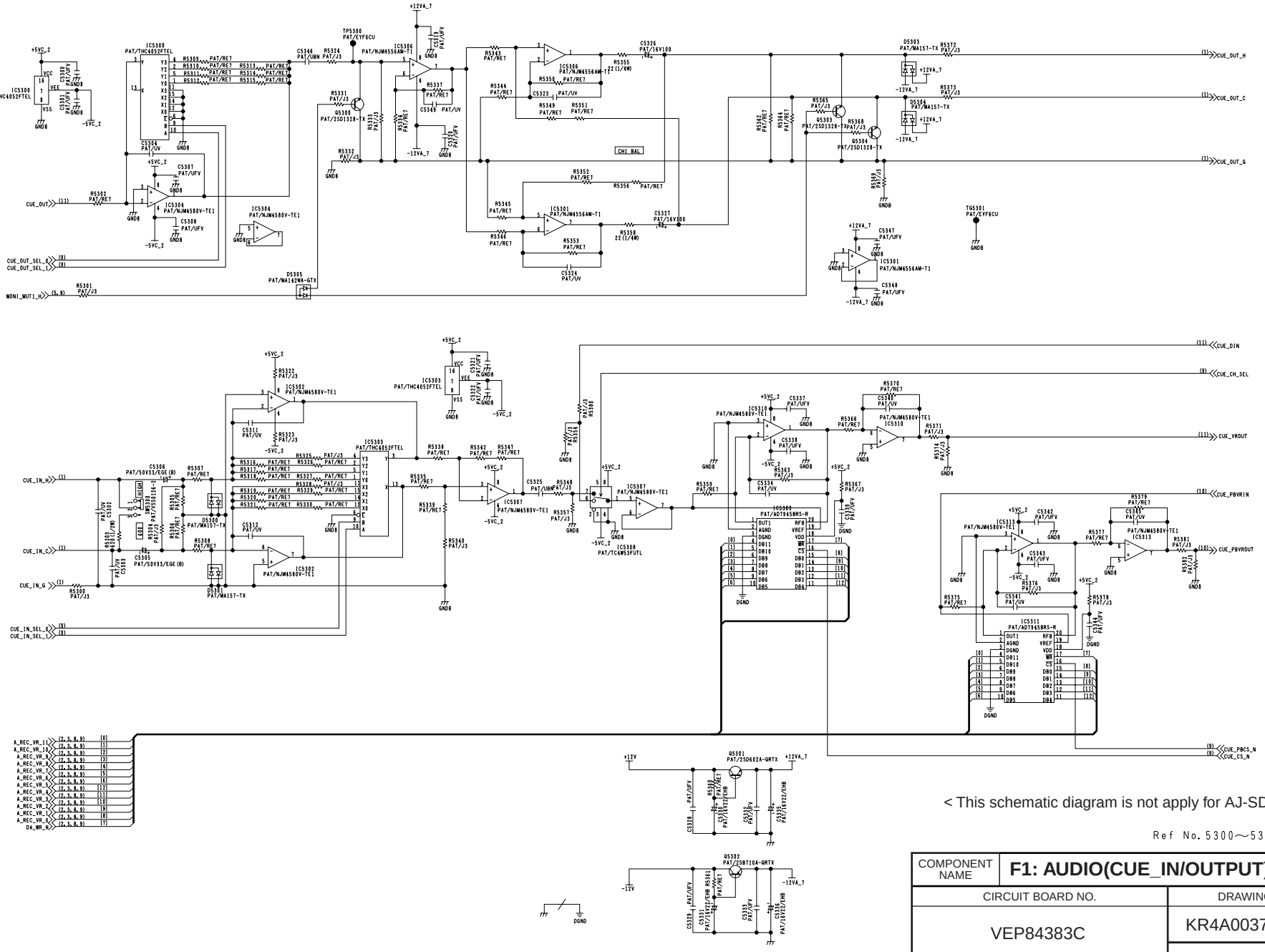
Ref No.	Part No. AJ-SD755
VR5003	PAT
VR5009	PAT
IC5005	PAT
R5014	PAT
R5017	PAT
R5024	PAT
R5029	PAT
R5060	PAT
C5008	PAT
C5011	PAT
C5021	PAT
C5025	PAT

Ref No. 5001～5119 Series.

COMPONENT NAME	F1: AUDIO(CUE_R/P)	10/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (10/13)(0)
		SCM020



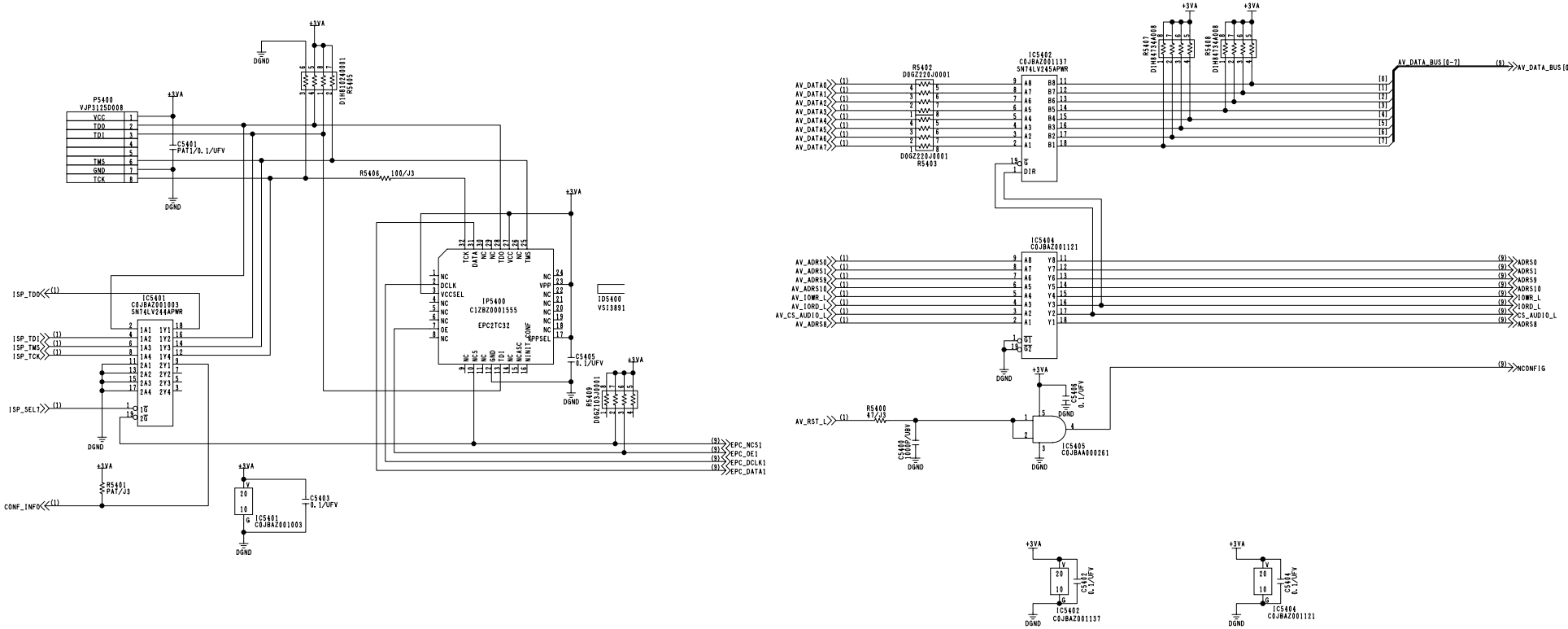
COMPONENT NAME	F1: AUDIO(CUE_CODEC)	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (11/13)(0)
		SCM021



< This schematic diagram is not apply for AJ-SD755. >

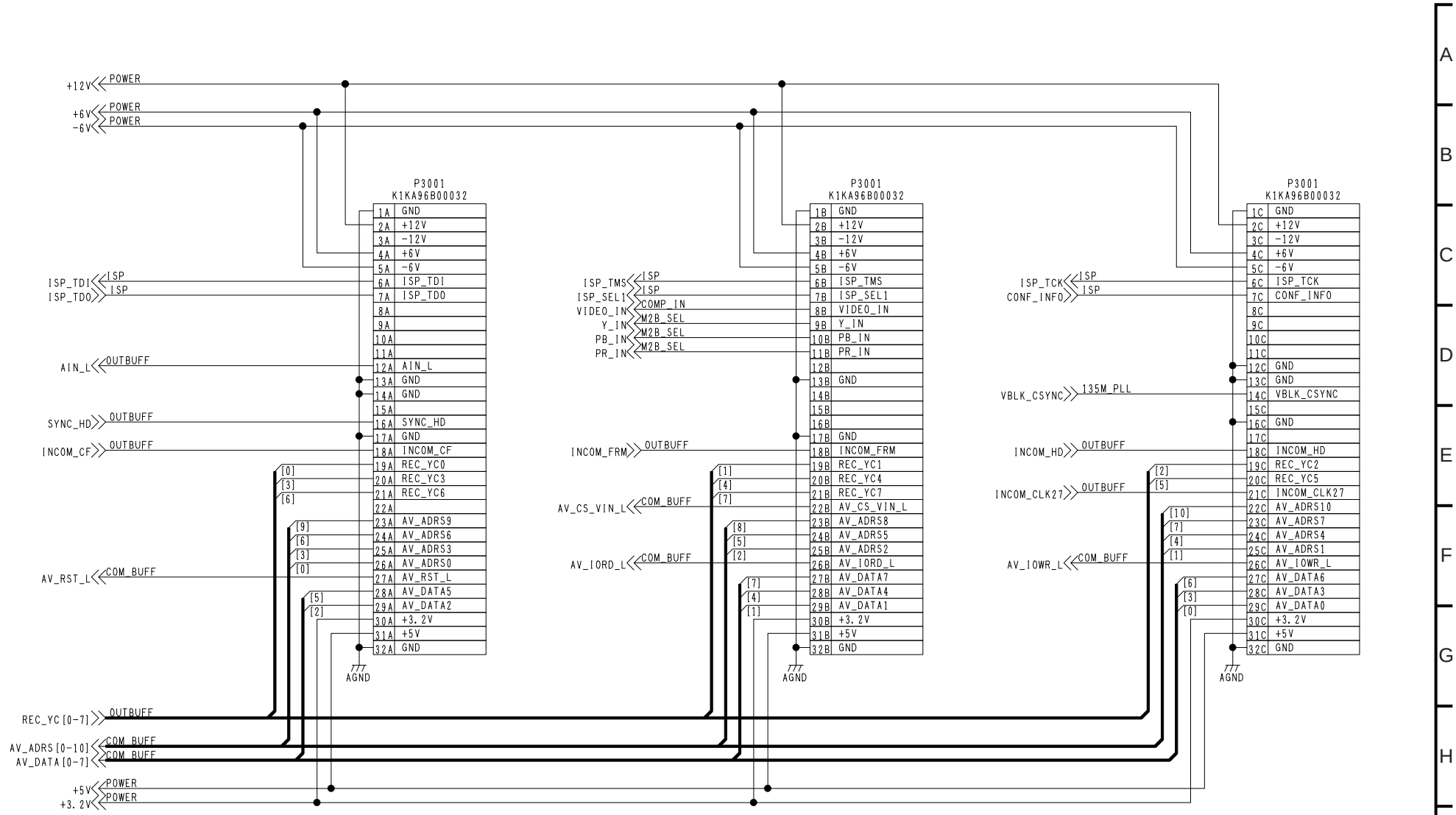
Ref No. 5300～5399Series.

COMPONENT NAME	F1: AUDIO(CUE_IN/OUTPUT)	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (12/13)(0)
		SCM022

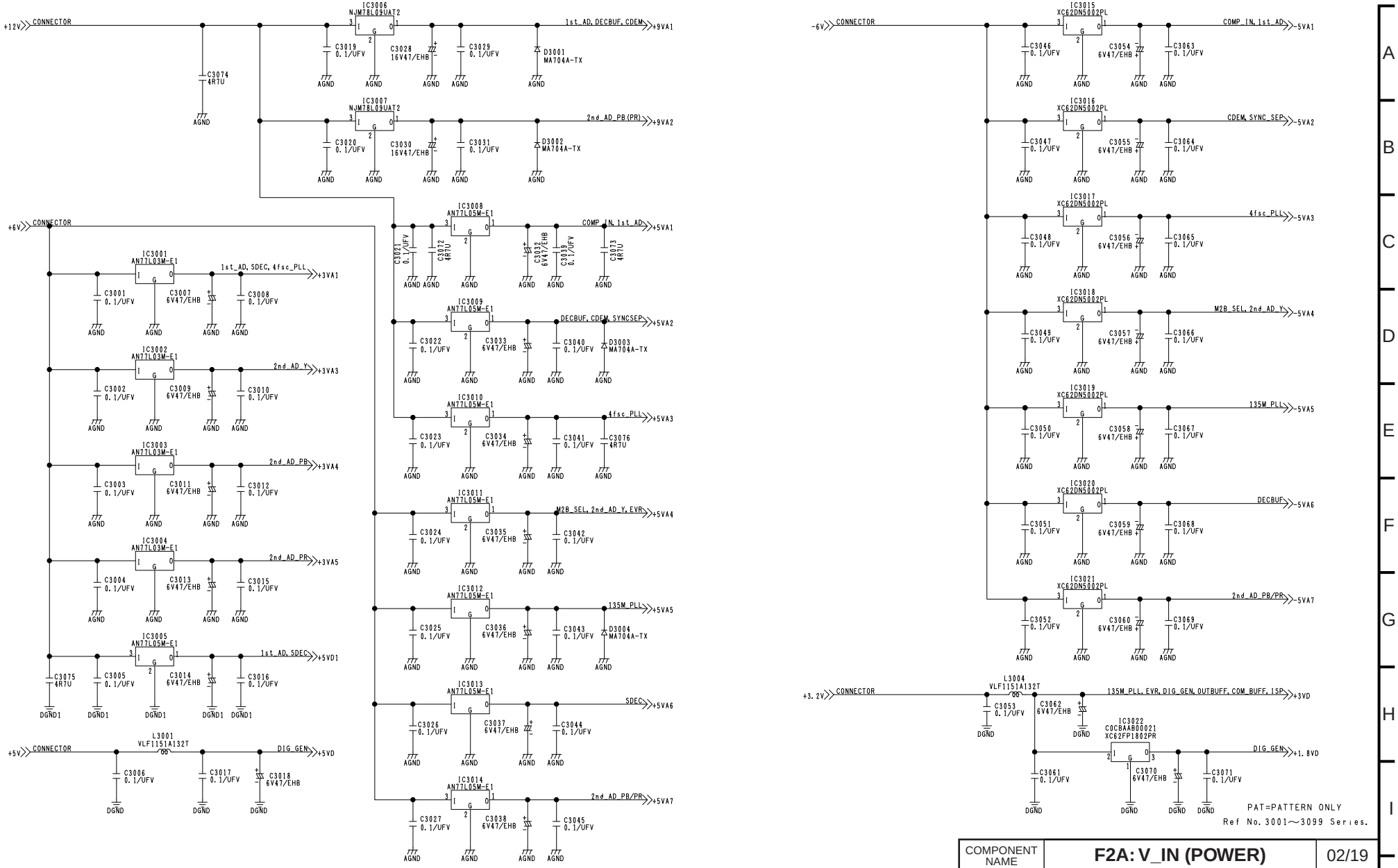


Ref No. 5400～5499Series.

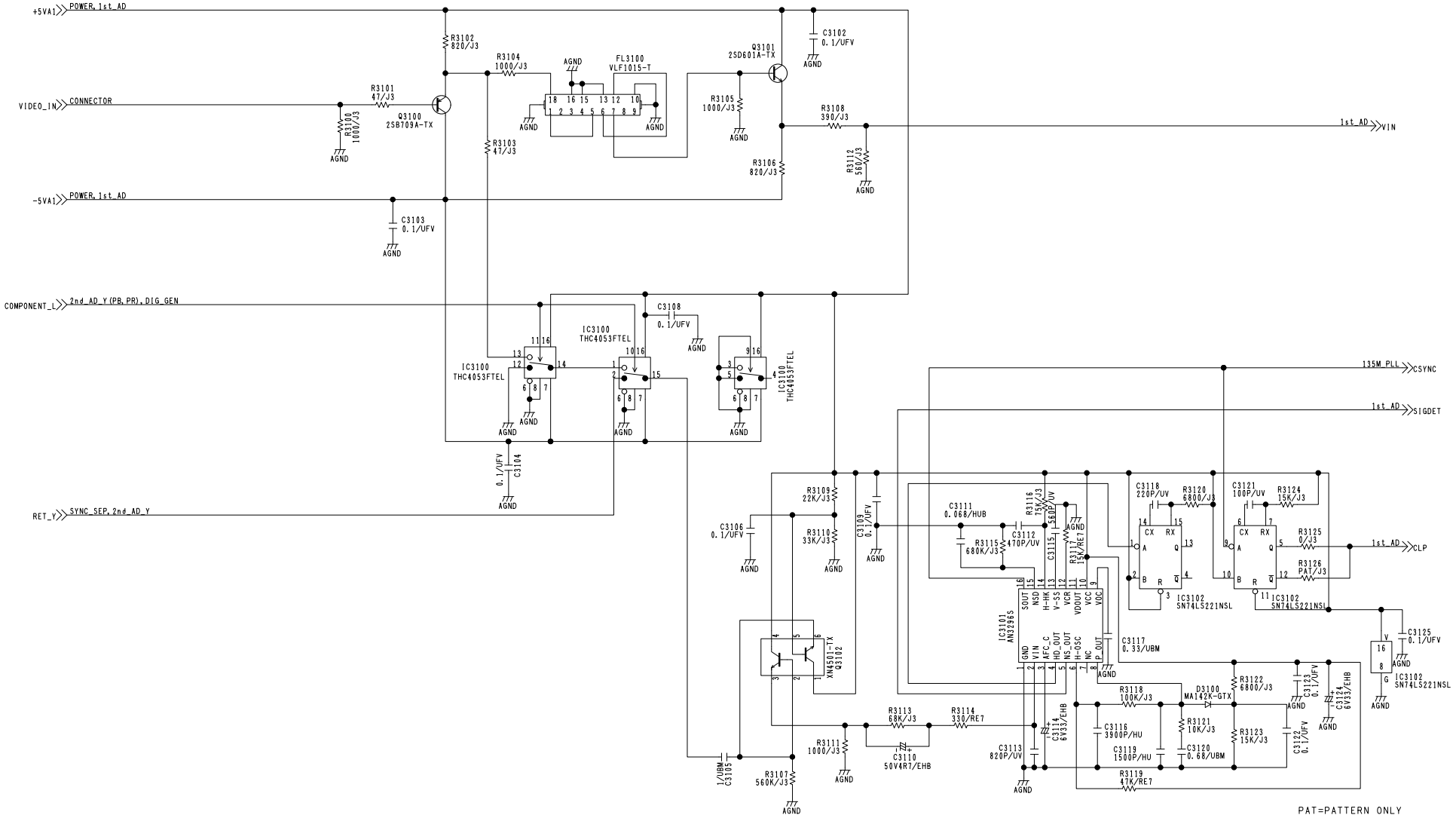
COMPONENT NAME	F1: AUDIO(ISP)	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP84383C		KR4A0037 (13/13)(0)
		SCM023



COMPONENT NAME	F2A: V_IN (CONNECTOR)	01/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (1/19) (1)
		SCM024



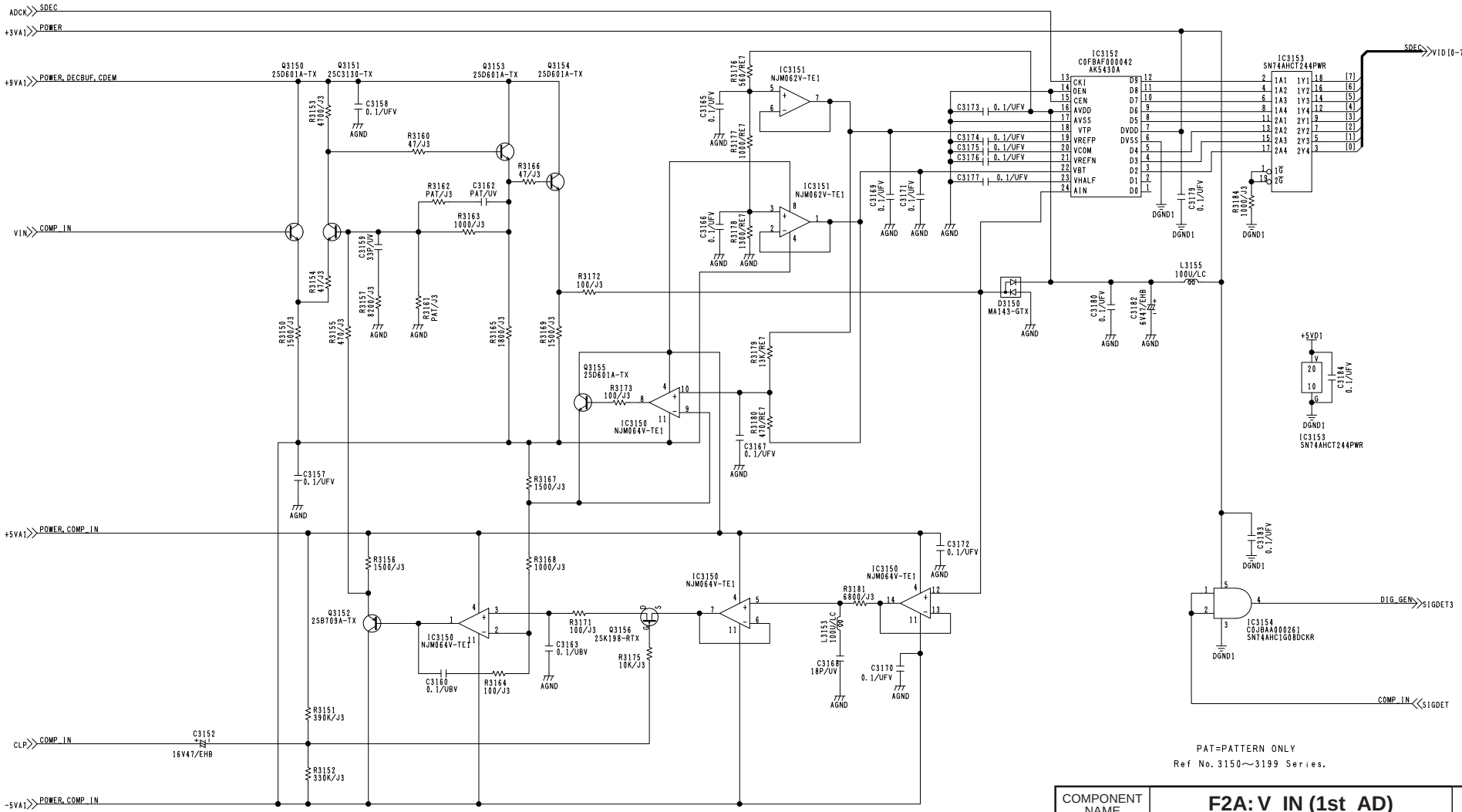
COMPONENT NAME	**F2A: V_IN (POWER)**	02/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B	KR30469 (2/19) (1)	
	SCM025	



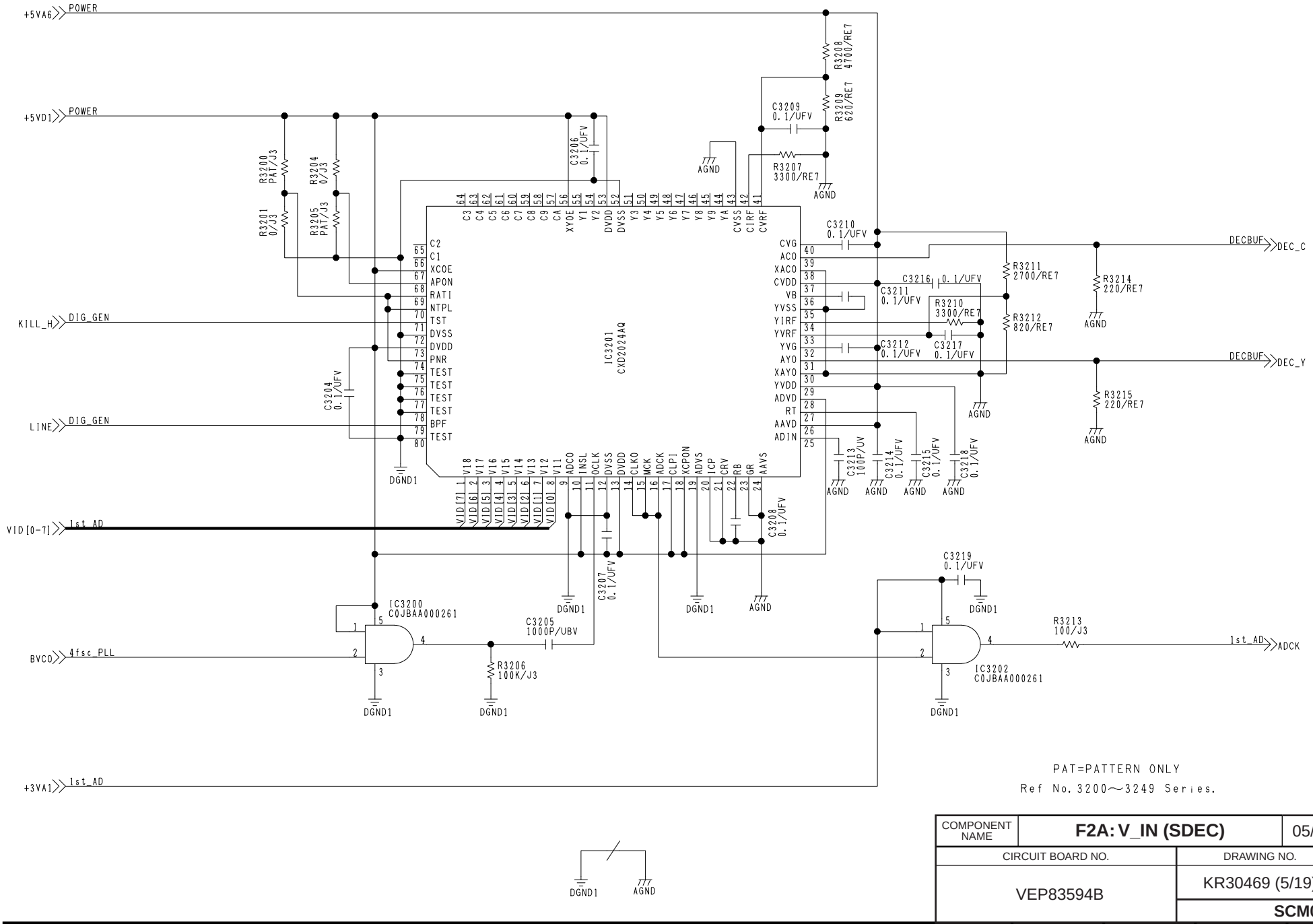
PAT=PATTERN ONLY

Ref No. 3100～3149 Series.

COMPONENT NAME	**F2A: V_IN (COMP_IN)**	03/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (3/19) (1)
		SCM026



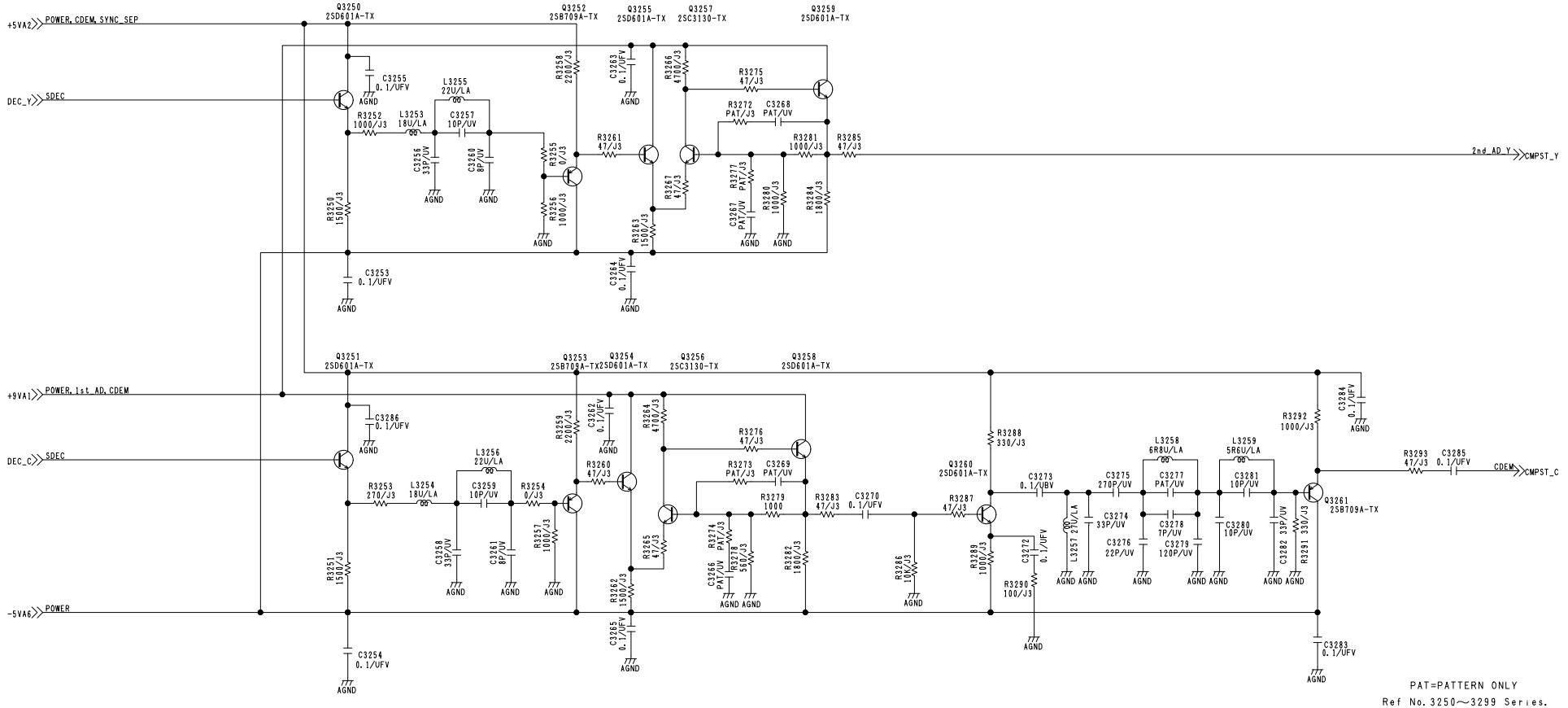
COMPONENT NAME	F2A: V_IN (1st_AD)	04/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B	KR30469 (4/19) (1)	
	SCM027	



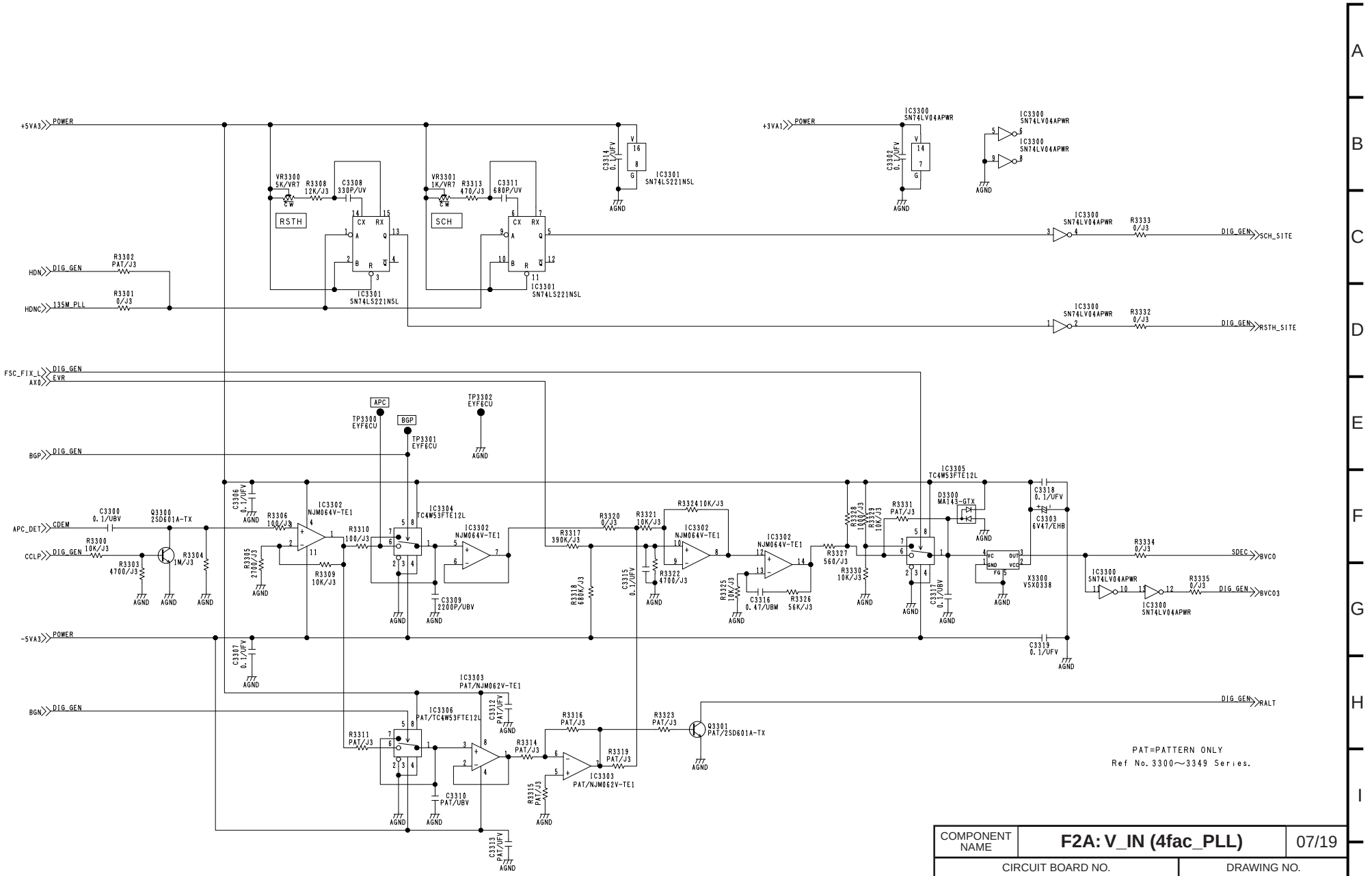
PAT=PATTERN ONLY

Ref No. 3200～3249 Series.

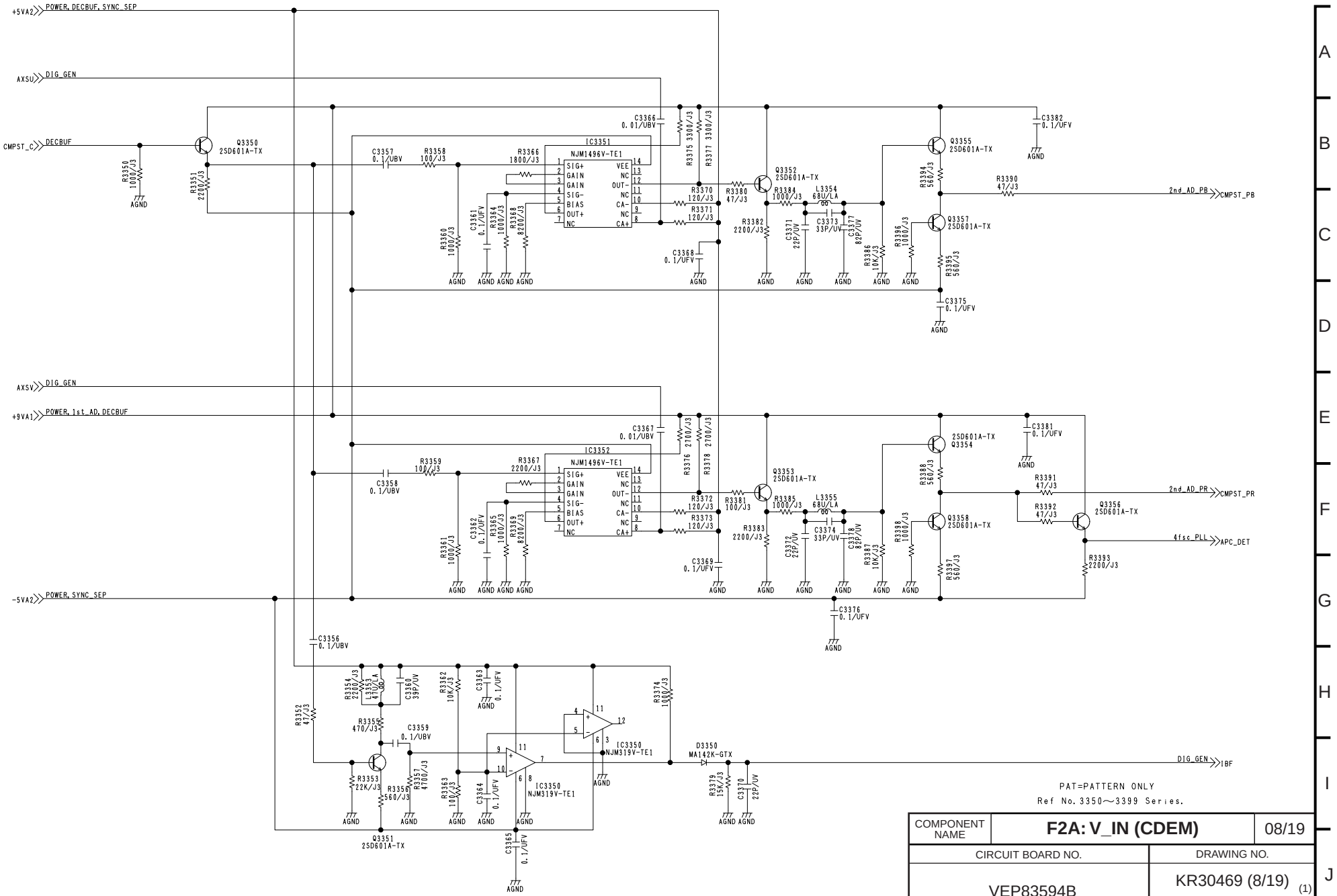
COMPONENT NAME	**F2A: V_IN (SDEC)**	05/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (5/19) (1)
		SCM028



COMPONENT NAME	**F2A: V_IN (DECBUF)**	06/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (6/19) (1)
		SCM029



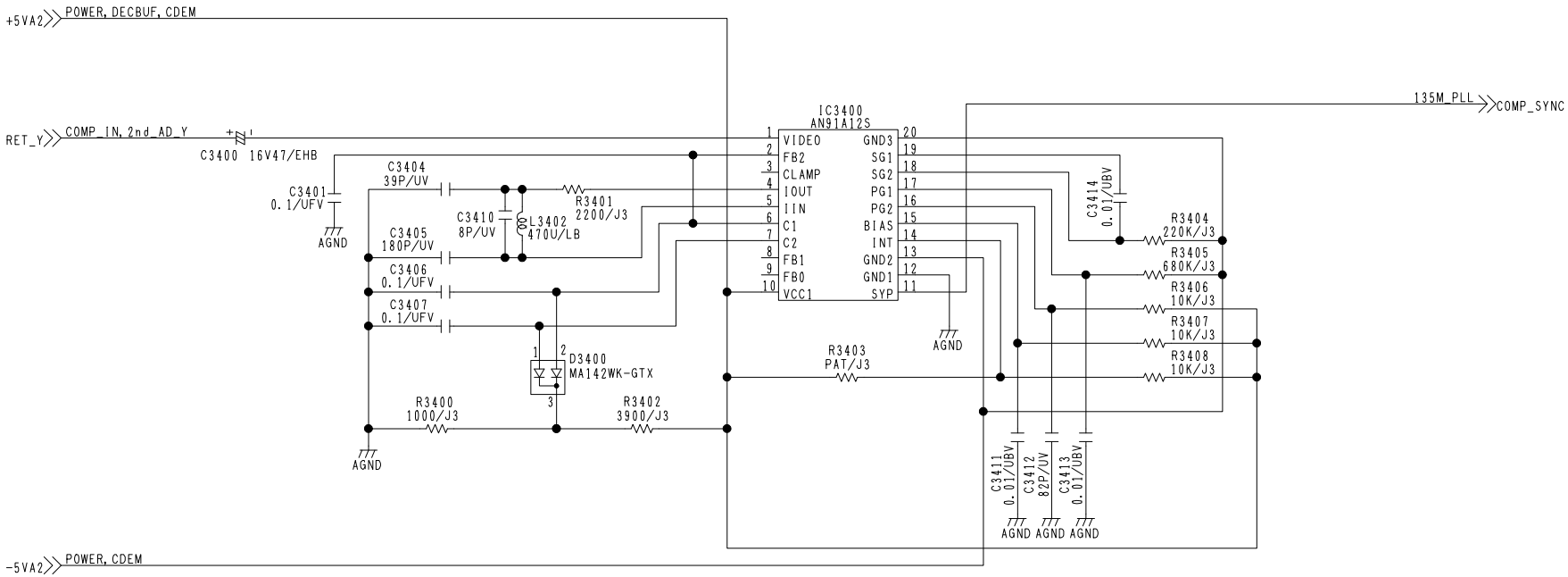
COMPONENT NAME	**F2A: V_IN (4fac_PLL)**	07/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (7/19) (1)
		SCM030



PAT=PATTERN ONLY

Ref No. 3350～3399 Series.

COMPONENT NAME	F2A: V_IN (CDEM)	08/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (8/19) (1)
		SCM031



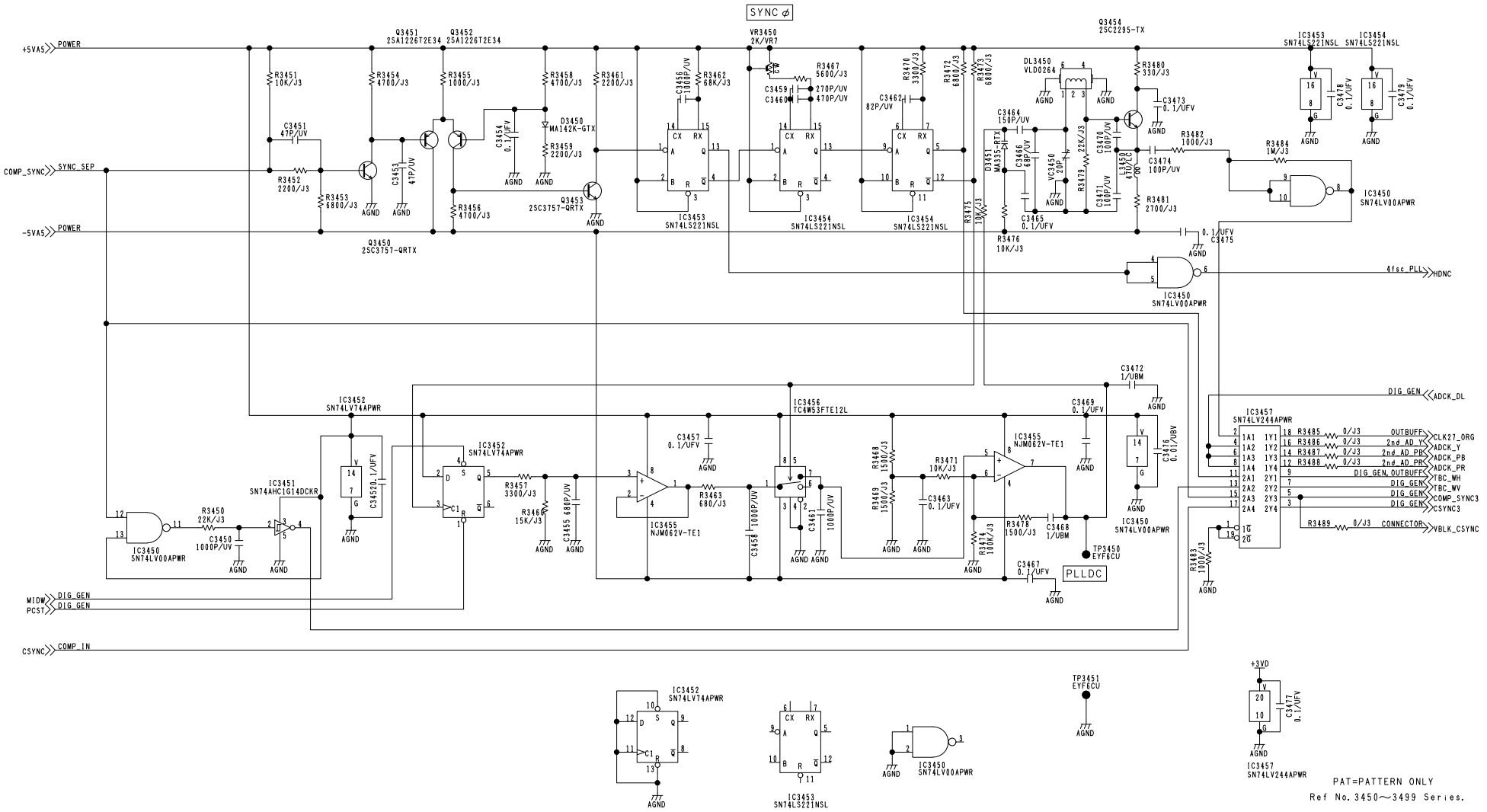
PAT=PATTERN ONLY

Ref No. 3400～3449 Series.

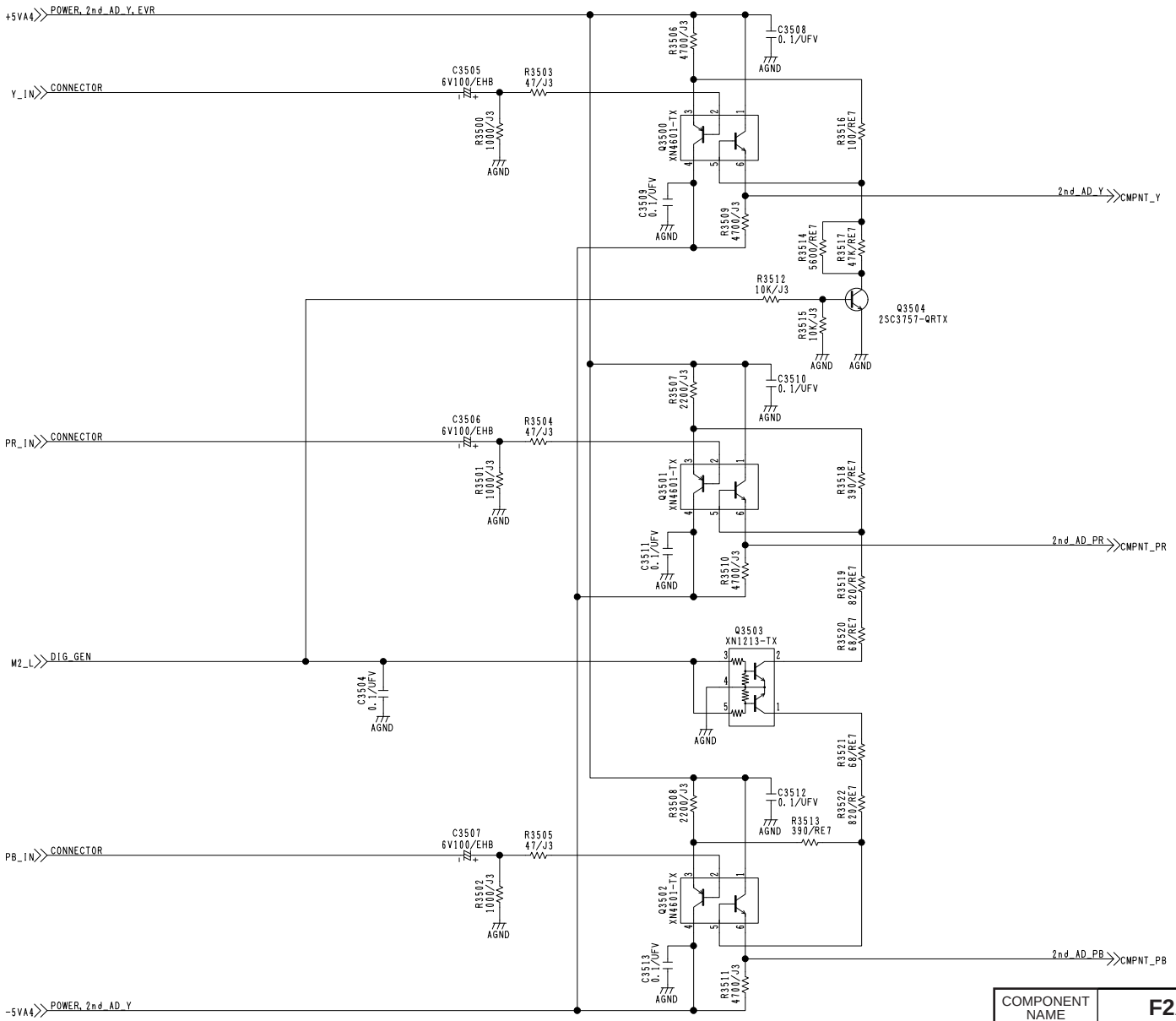
COMPONENT NAME	F2A: V_IN (SYNC_SEP)	09/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (9/19) (1)
		SCM032

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	F2A: V_IN (135M_PLL)	10/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (10/19) (1)
		SCM033

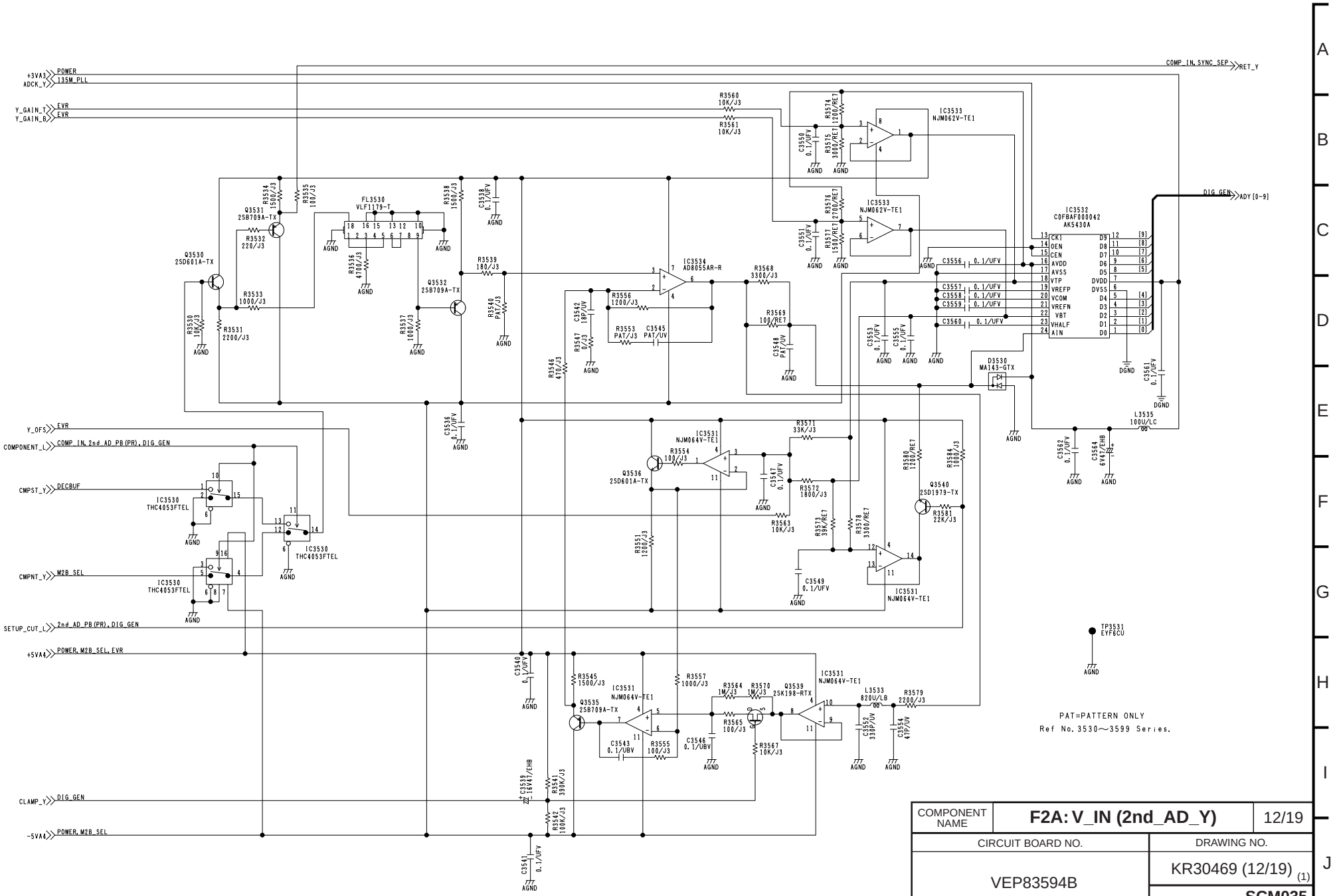


PAT=PATTERN ONLY
Ref No. 3500～3529 Series.

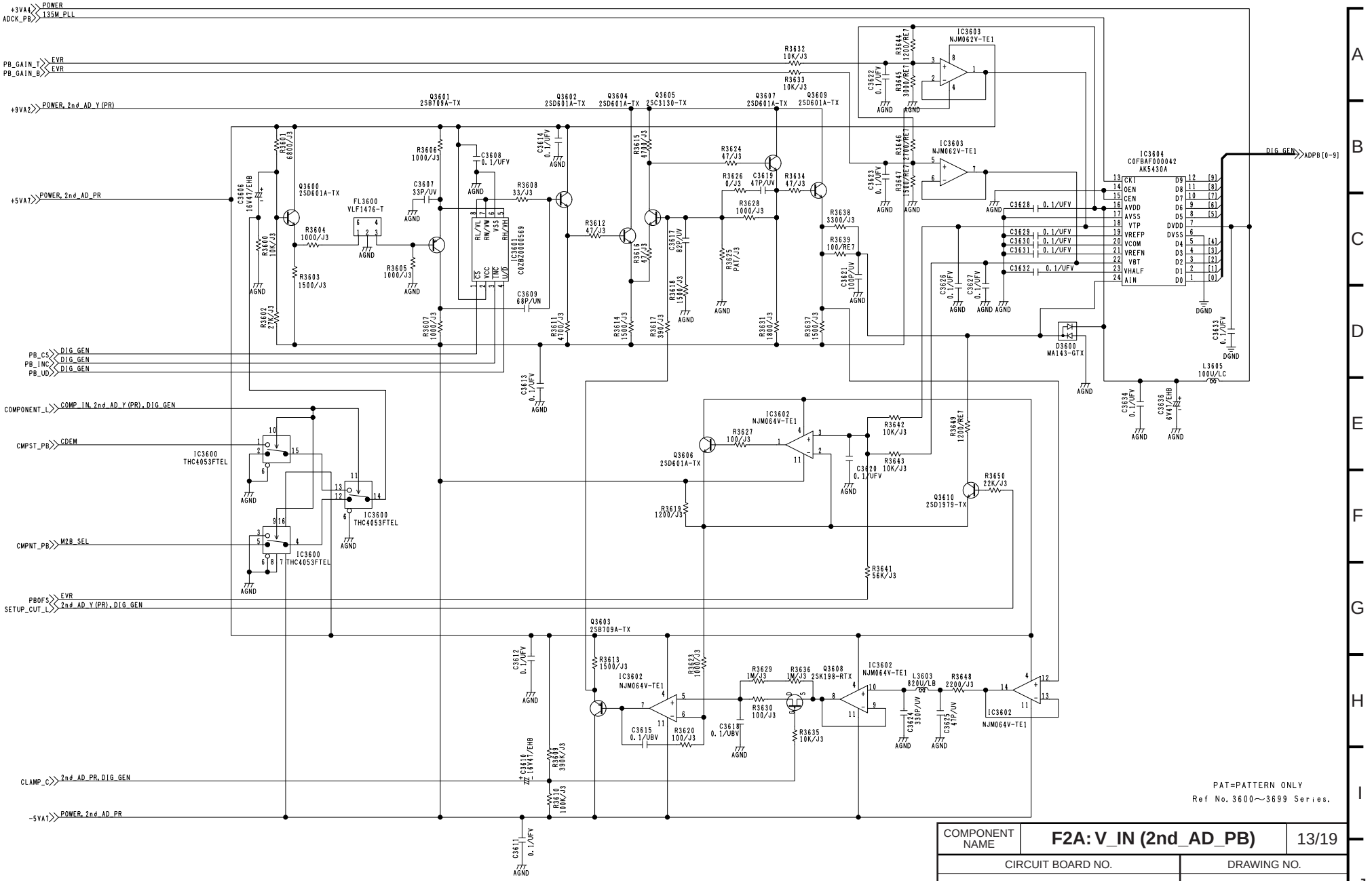
COMPONENT NAME	**F2A: V_IN (M2B_SEL)**	11/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B	KR30469 (11/19) (1)	
	SCM034	

A B C D E F G H I J

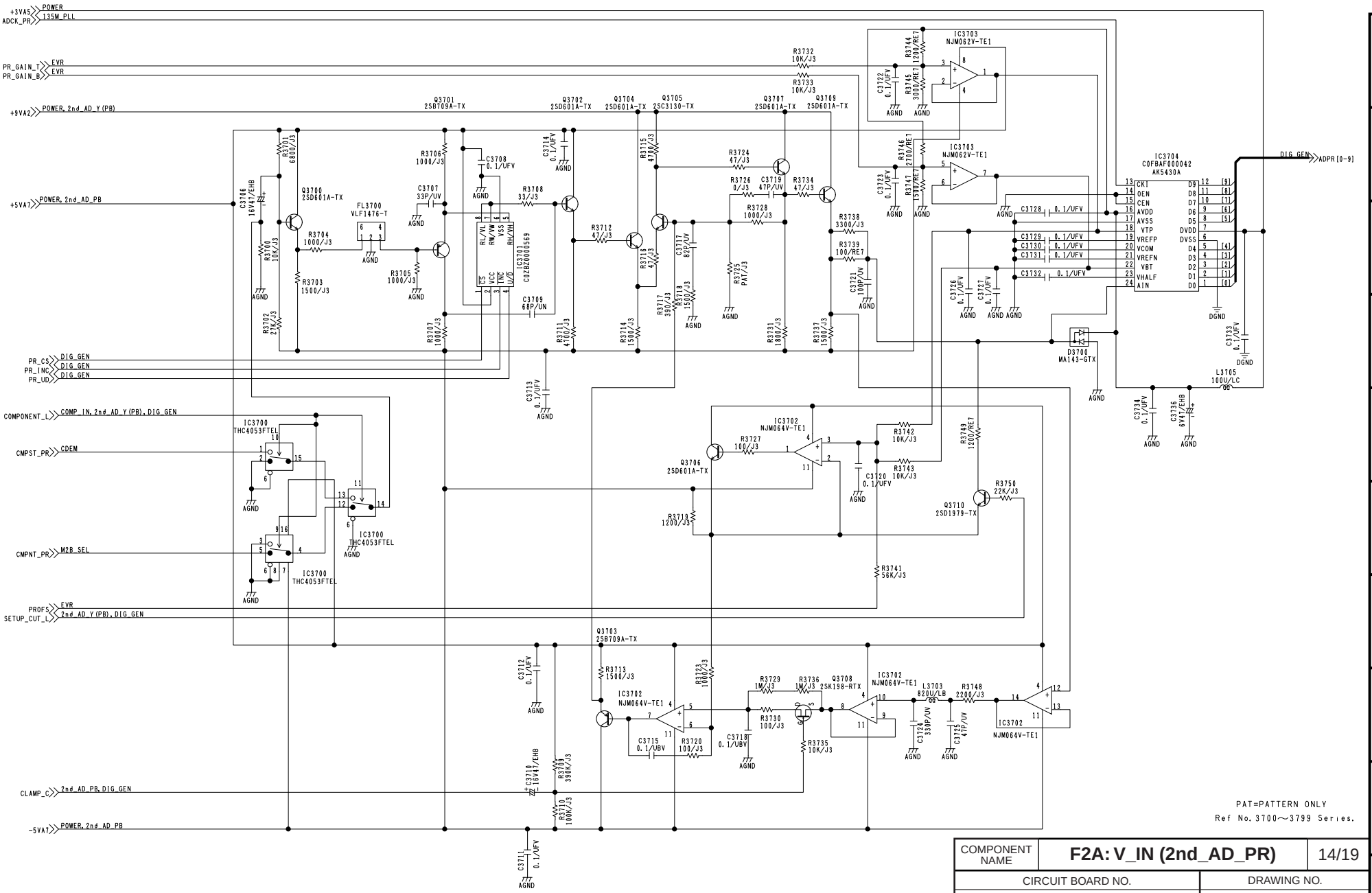
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



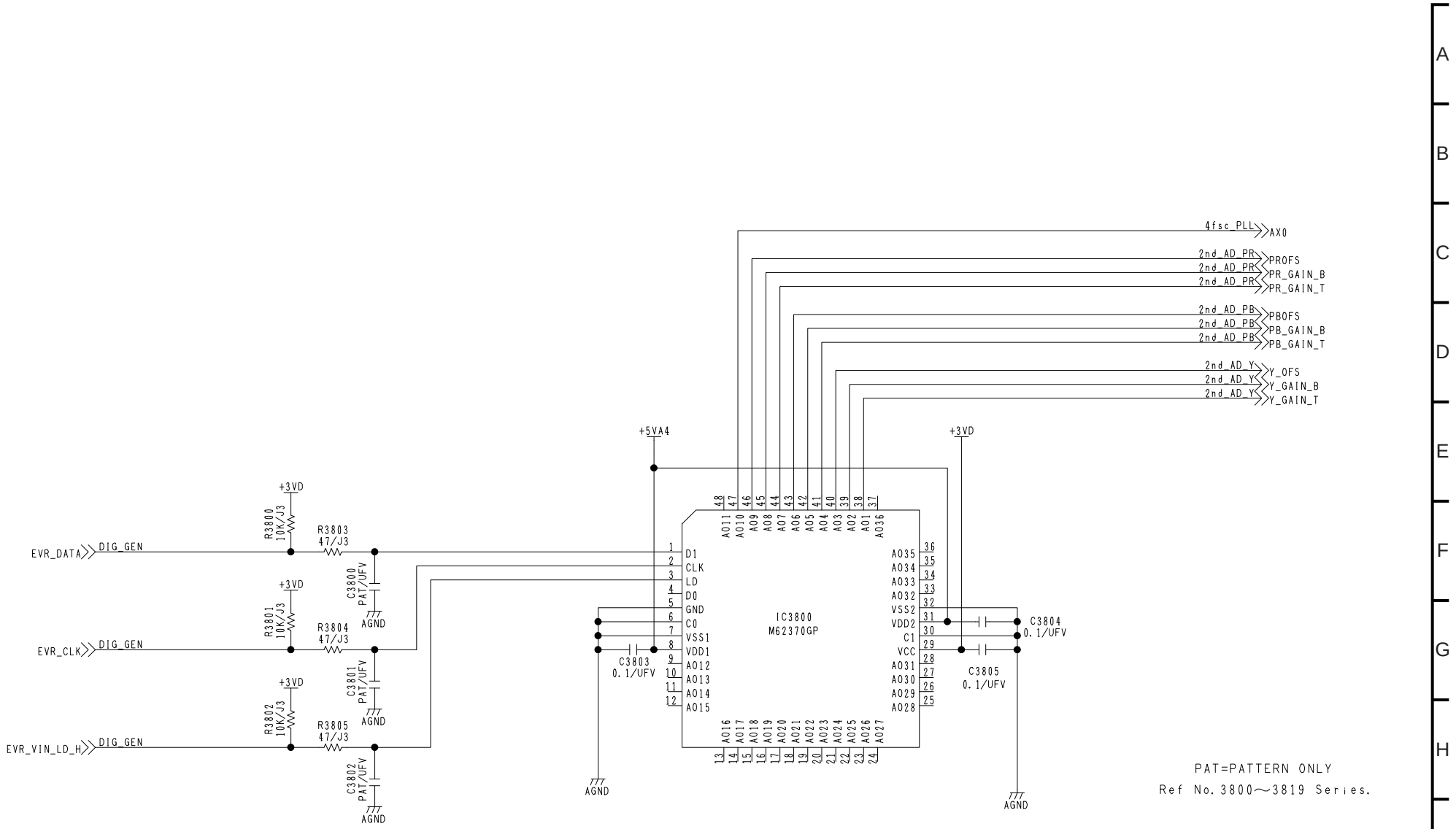
COMPONENT NAME	**F2A: V_IN (2nd_AD_Y)**	12/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B	KR30469 (12/19) (1)	
	SCM035	



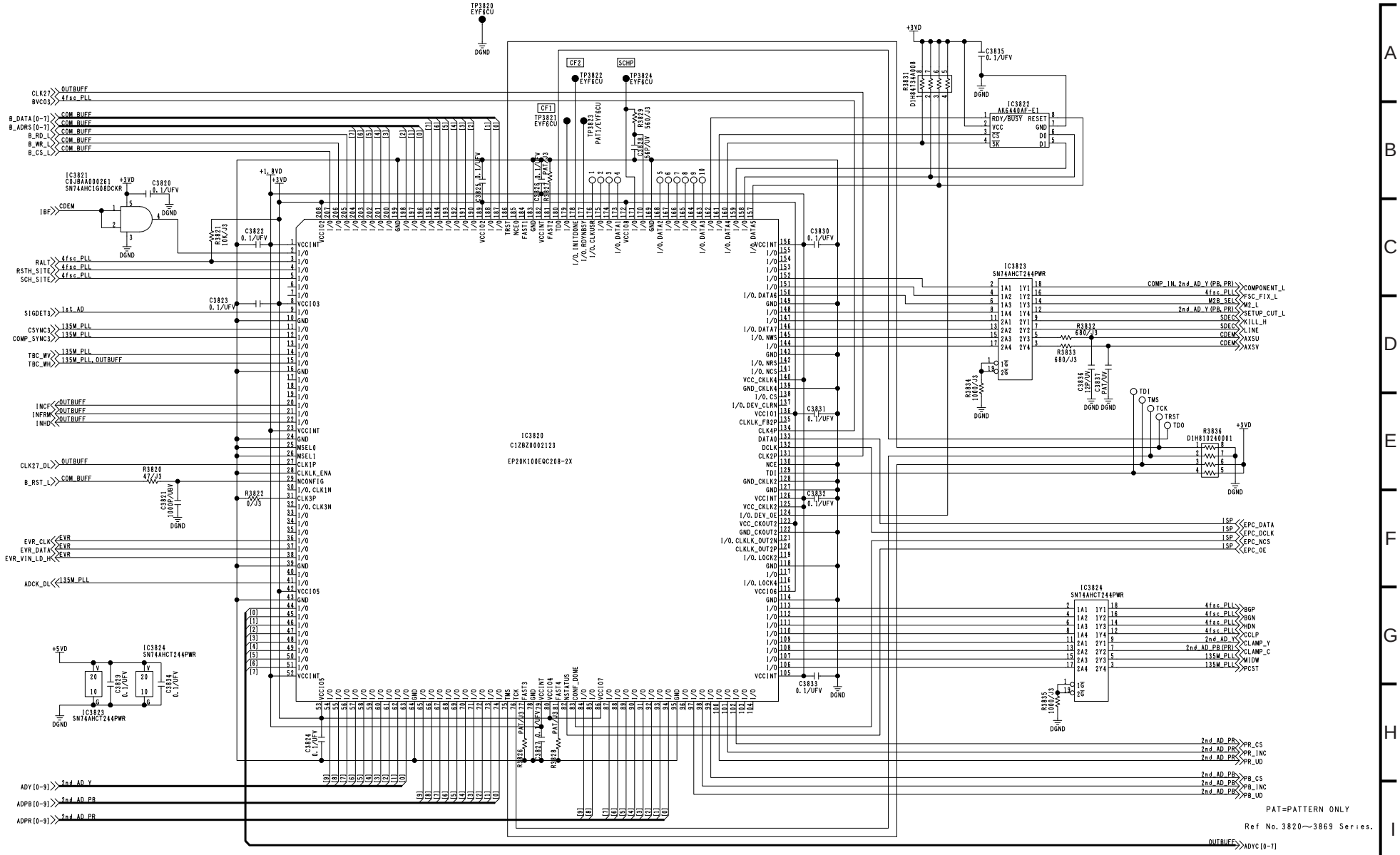
COMPONENT NAME	**F2A: V_IN (2nd_AD_PB)**	13/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (13/19) (1)
		SCM036



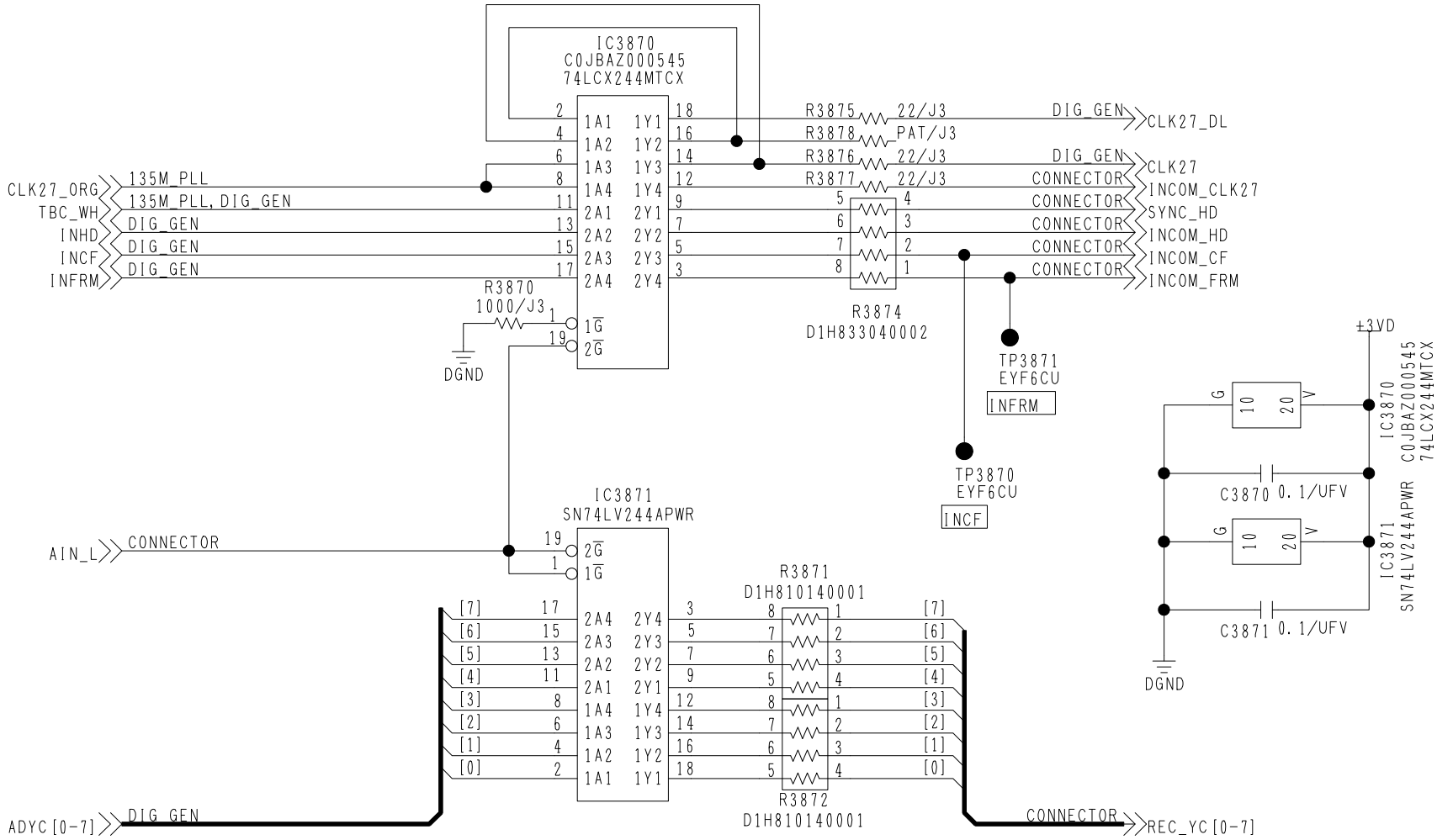
COMPONENT NAME	**F2A: V_IN (2nd_AD_PR)**	14/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B	KR30469 (14/19) (1)	
	SCM037	



COMPONENT NAME	F2A: V_IN (EVR)	15/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (15/19) (1)
		SCM038



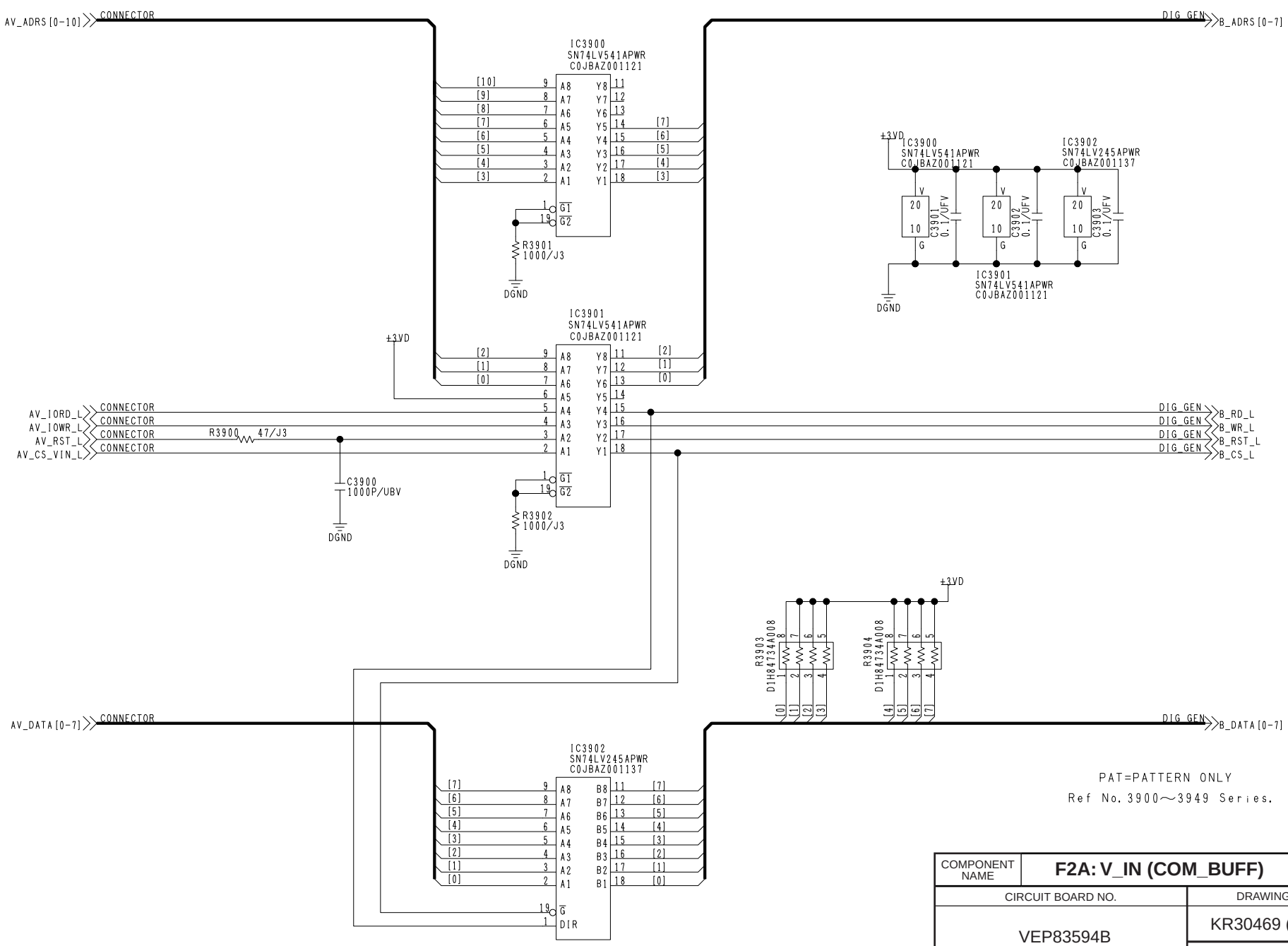
COMPONENT NAME	**F2A: V_IN (DIG_GEN)**	16/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594B	KR30469 (16/19) (1)	
	SCM039	

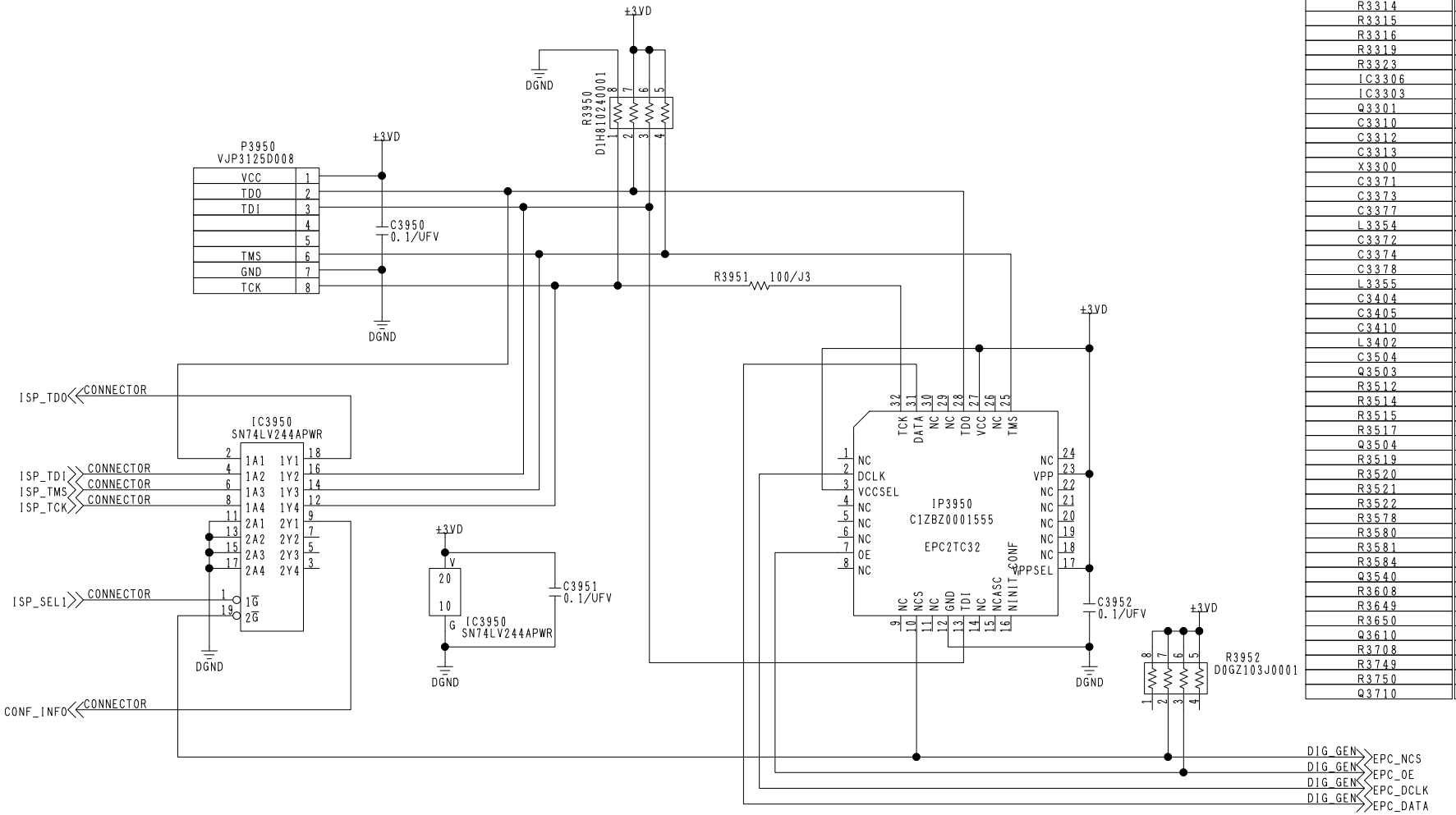


PAT=PATTERN ONLY

Ref No. 3870～3899 Series.

COMPONENT NAME	F2A: V_IN (OUT BUFF)	17/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (17/19) (1)
		SCM040


AV_ADRS[0-10]
CONNECTOR
IC3900
SN74LV541APWR
C0JBAZ001121
DIG GEN
B_ADRS[0-7]
R3901
1000/J3
DGND
IC3901
SN74LV541APWR
C0JBAZ001121
IC3902
SN74LV245APWR
C0JBAZ001137
C3901
0.1/UFV
C3902
0.1/UFV
C3903
0.1/UFV
+3VD
AV_IORD_L
AV_IOWR_L
AV_RST_L
AV_CS_VIN_L
R3900
47/J3
C3900
1000P/UBV
R3902
1000/J3
B_RD_L
B_WR_L
B_RST_L
B_CS_L
R3903
D1H84734A008
R3904
D1H84734A008
AV_DATA[0-7]
B_DATA[0-7]
PAT=PATTERN ONLY
Ref No. 3900～3949 Series.
COMPONENT NAME
F2A: V_IN (COM_BUFF)
18/19
CIRCUIT BOARD NO.
VEP83594B
DRAWING NO.
KR30469 (18/19) (1)
SCM041



REF	VEP83594B
R3112	ERJ3GEYJ561V
R3200	–
R3201	ERJ3GEY0R00V
R3305	ERJ3GEYJ272V
R3313	ERJ3GEYJ471V
C3311	ECJ1VC1H681J
R3320	ERJ3GEY0R00V
R3311	–
R3314	–
R3315	–
R3316	–
R3319	–
R3323	–
IC3306	–
IC3303	–
Q3301	–
C3310	–
C3312	–
C3313	–
X3300	H1C1435A0002
C3371	ECUV1H220JCV
C3373	ECUV1H060DCV
C3377	F1H1H820A736
L3354	VLQ0163J680
C3372	ECUV1H220JCV
C3374	ECUV1H060DCV
C3378	F1H1H820A736
L3355	VLQ0163J680
C3404	ECJ1VC1H390J
C3405	ECJ1VC1H181J
C3410	ECUV1H080DCV
L3402	G1C471J00001
C3504	ECUV1E104ZFV
Q3503	XN0121300L
R3512	D0GB103JA002
R3514	ERJ3RBD562V
R3515	D0GB103JA002
R3517	ERJ3RBD473V
Q3504	2SC37570LL
R3519	ERJ3RBD821V
R3520	ERJ3RED680V
R3521	ERJ3RED680V
R3522	ERJ3RBD821V
R3578	ERJ3RBD332V
R3580	ERJ3RBD122V
R3581	ERJ3GEYJ223V
R3584	D0GB102JA002
Q3540	2SD197900L
R3608	ERJ3GEYJ330V
R3649	ERJ3RBD122V
R3650	ERJ3GEYJ223V
Q3610	2SD197900L
R3708	ERJ3GEYJ330V
R3749	ERJ3RBD122V
R3750	ERJ3GEYJ223V
Q3710	2SD197900L

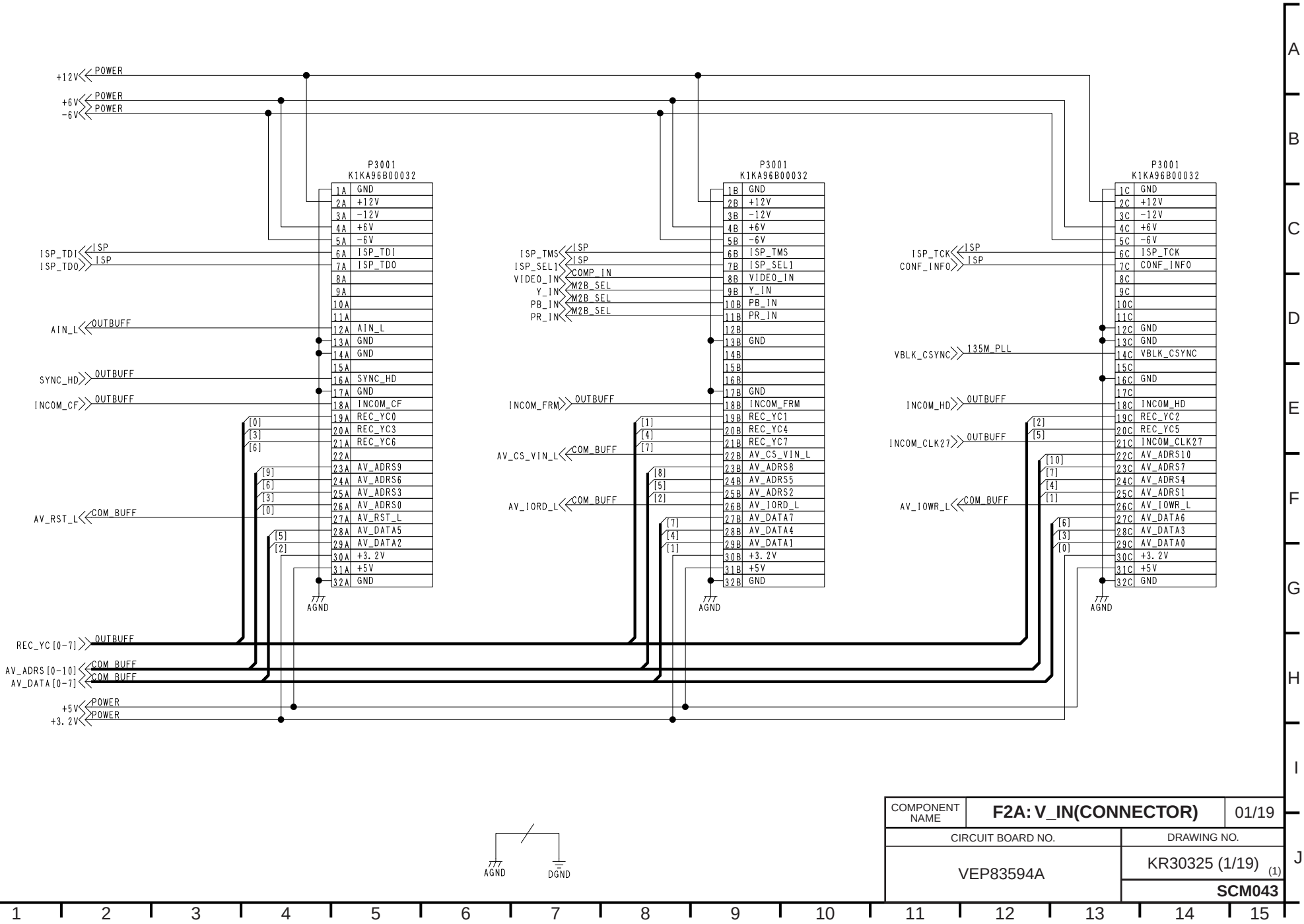
PAT=PATTERN ONLY

Ref No. 3950～3999 Series.

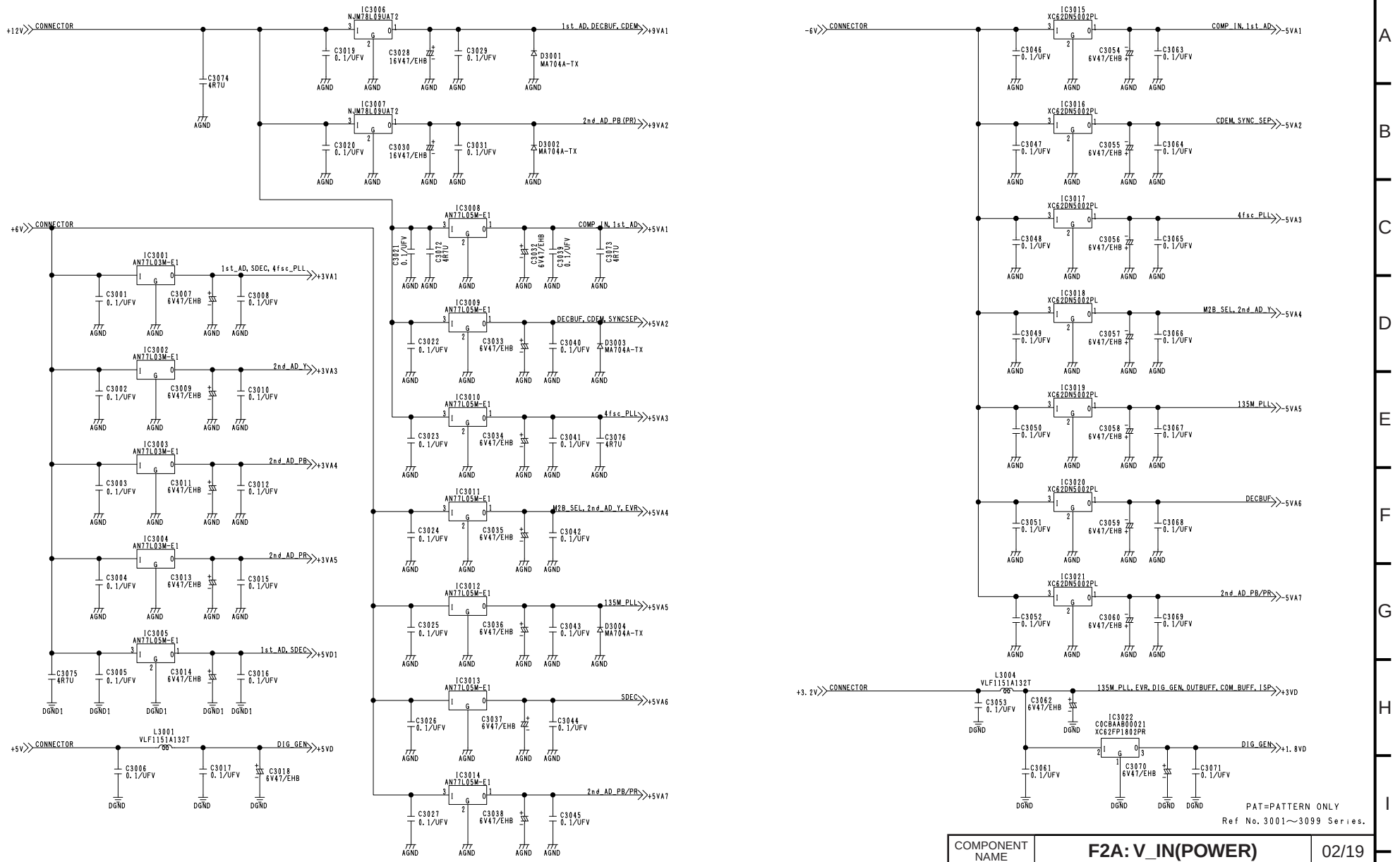
COMPONENT NAME	F2A: V_IN (ISP)	19/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594B		KR30469 (19/19) (1)
		SCM042

A B C D E F G H I J

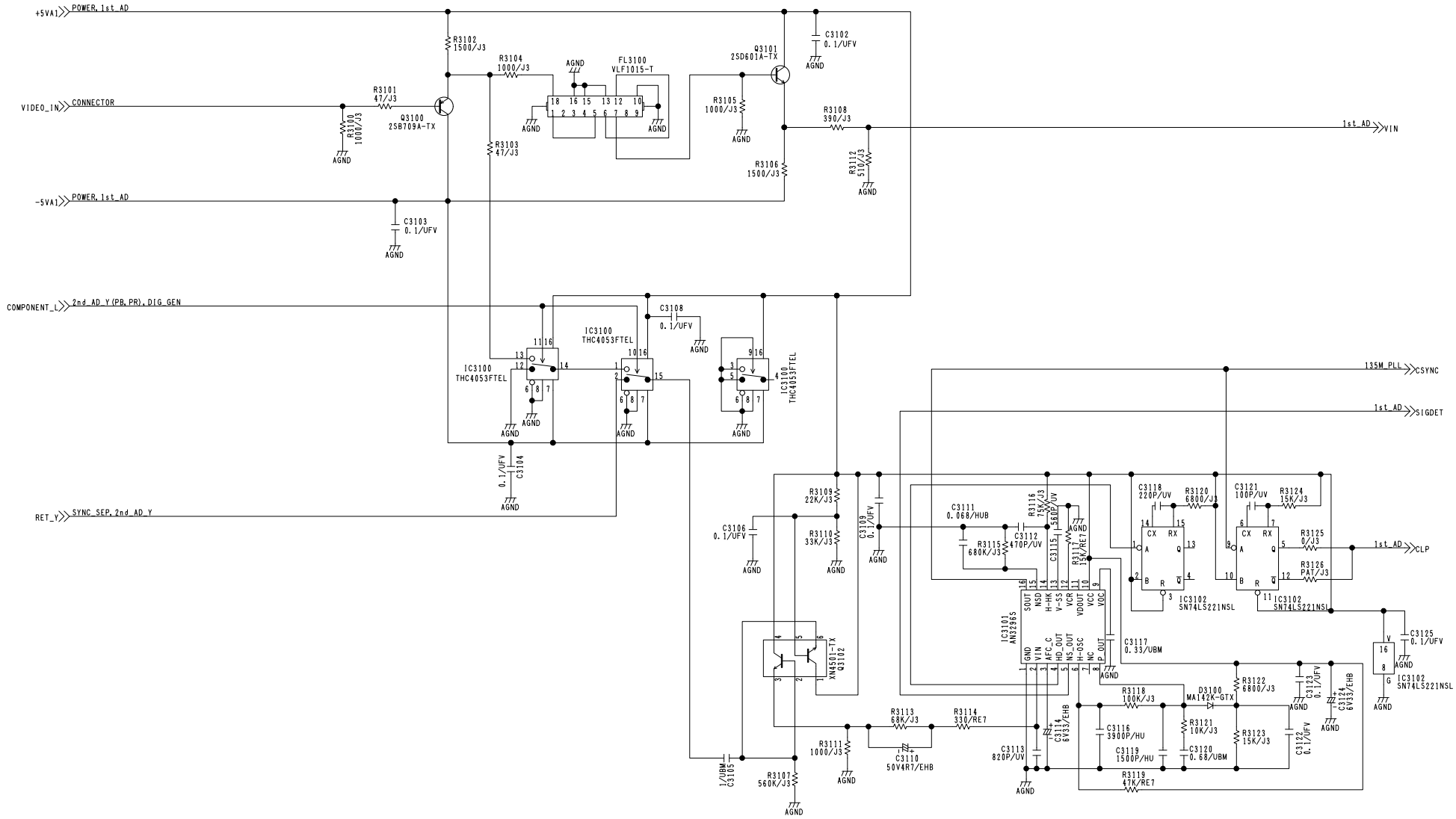
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	**F2A: V_IN(CONNECTOR)**	01/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A	KR30325 (1/19) (1)	
	SCM043	

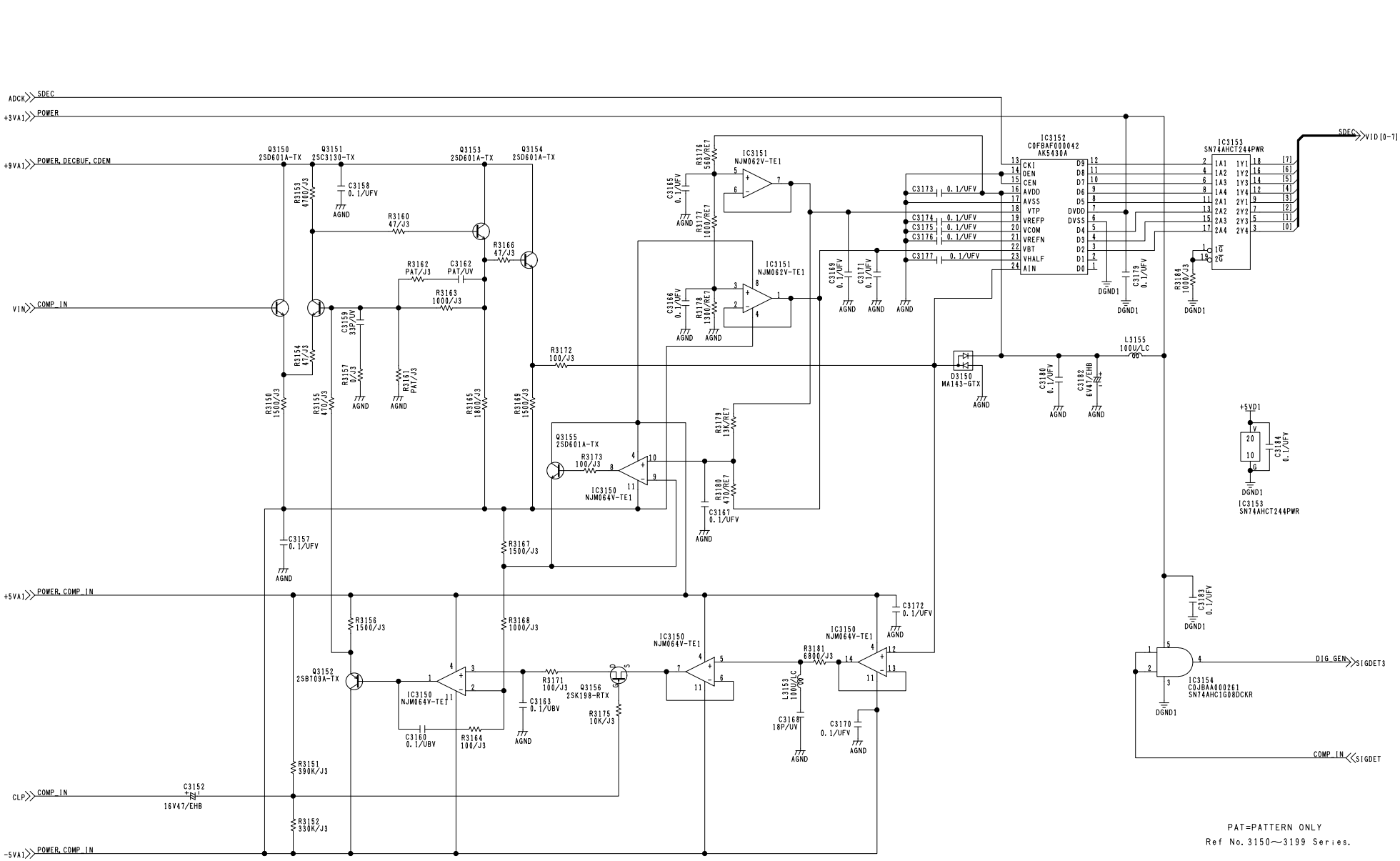


COMPONENT NAME	F2A: V_IN(POWER)	02/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (2/19) (1)
		SCM044

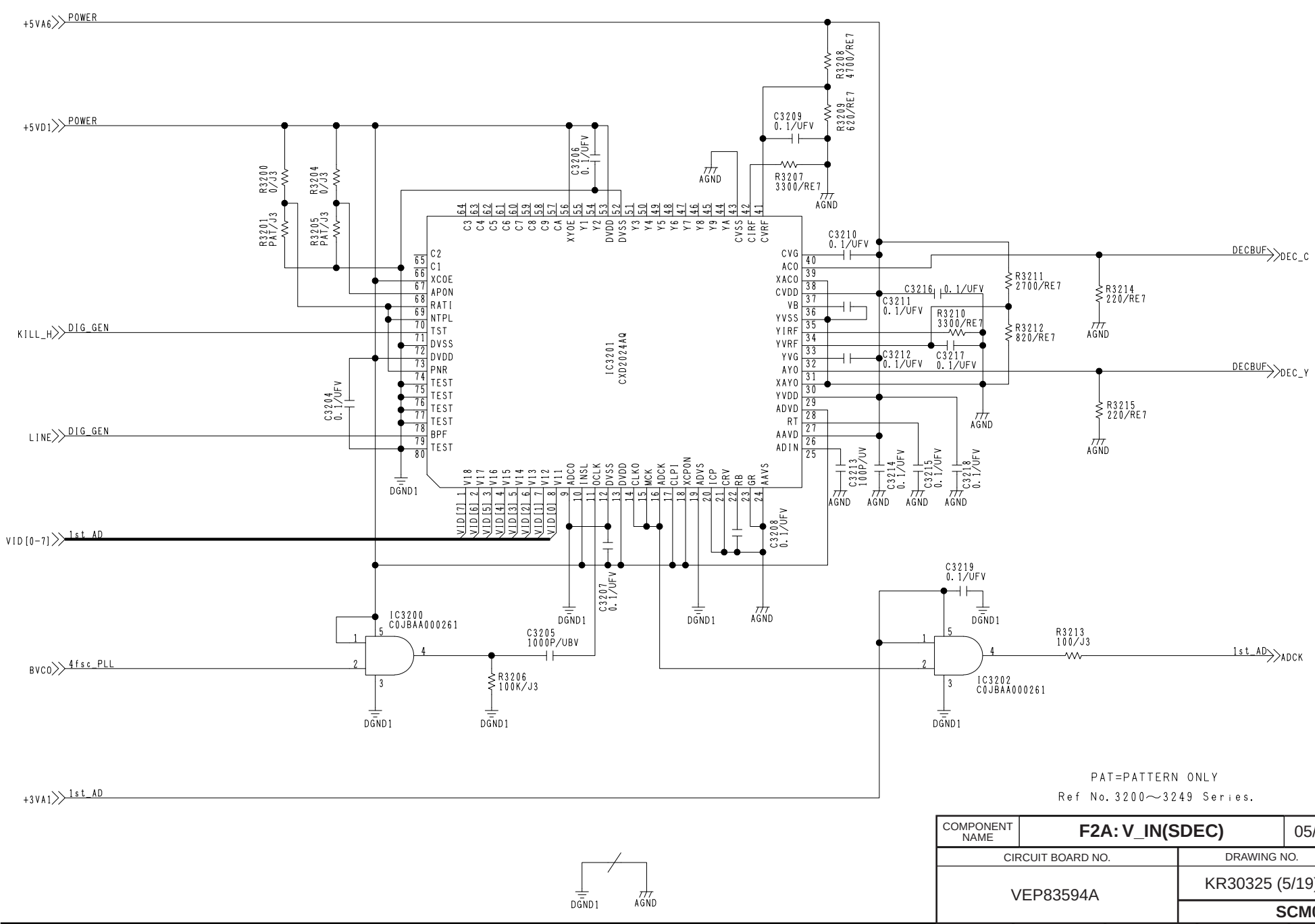


PAT=PATTERN ONLY
Ref No. 3100～3149 Series.

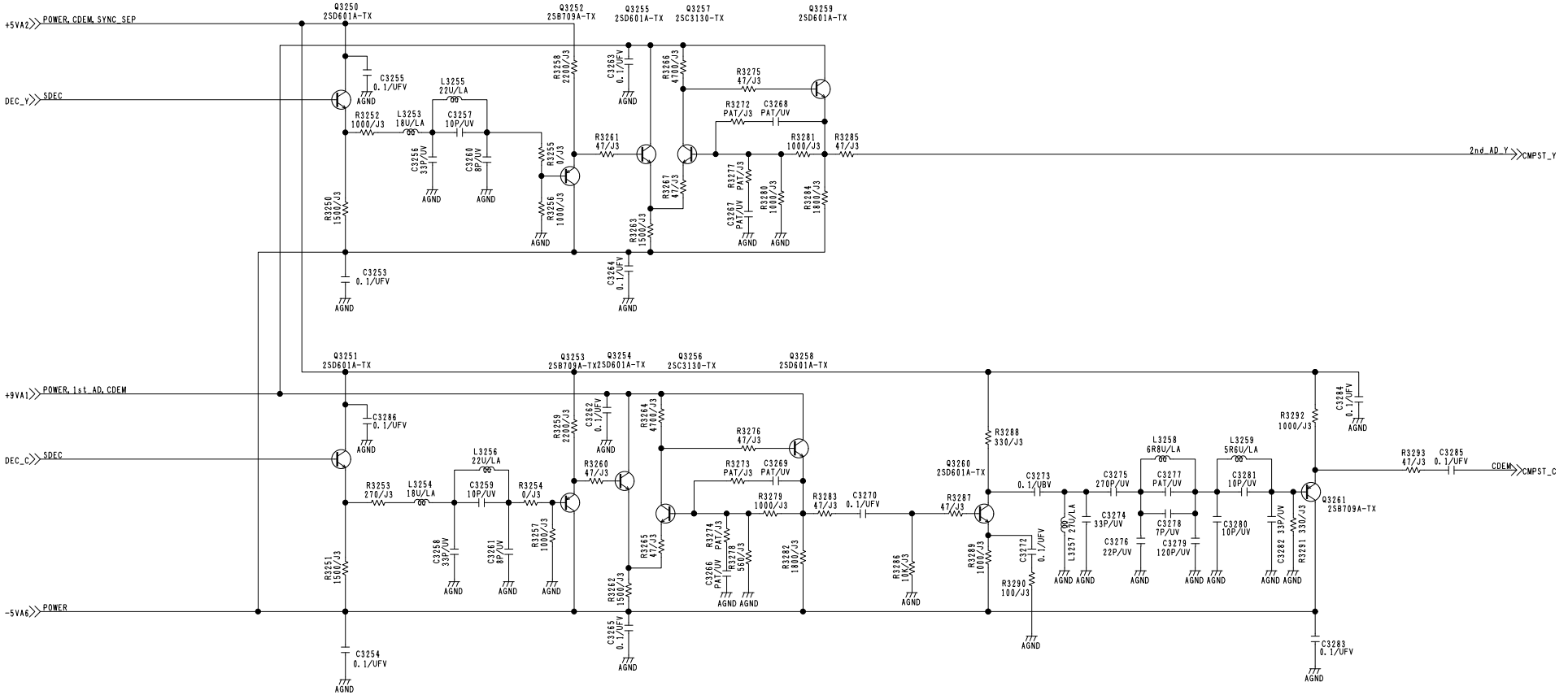
COMPONENT NAME	F2A: V_IN(COMP_IN)	03/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (3/19) (1)
		SCM045



COMPONENT NAME	**F2A: V_IN(1st_AD)**	04/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A	KR30325 (4/19) (1)	
	SCM046	



COMPONENT NAME	F2A: V_IN(SDEC)	05/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (5/19) (1)
		SCM047

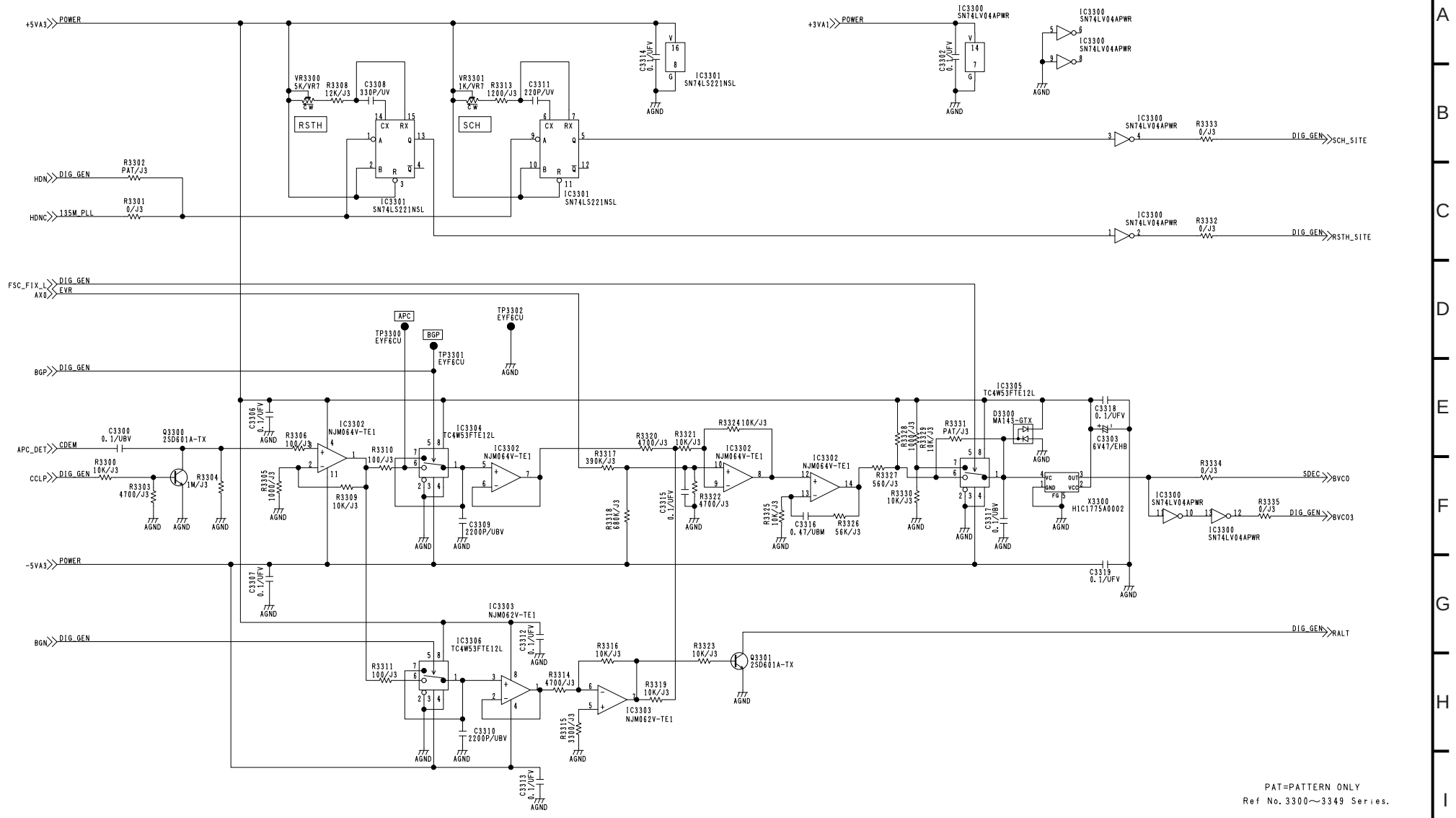


PAT=PATTERN ONLY
Ref No. 3250～3299 Series.

COMPONENT NAME	**F2A: V_IN(DECBUF)**	06/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (6/19) (1)
		SCM048

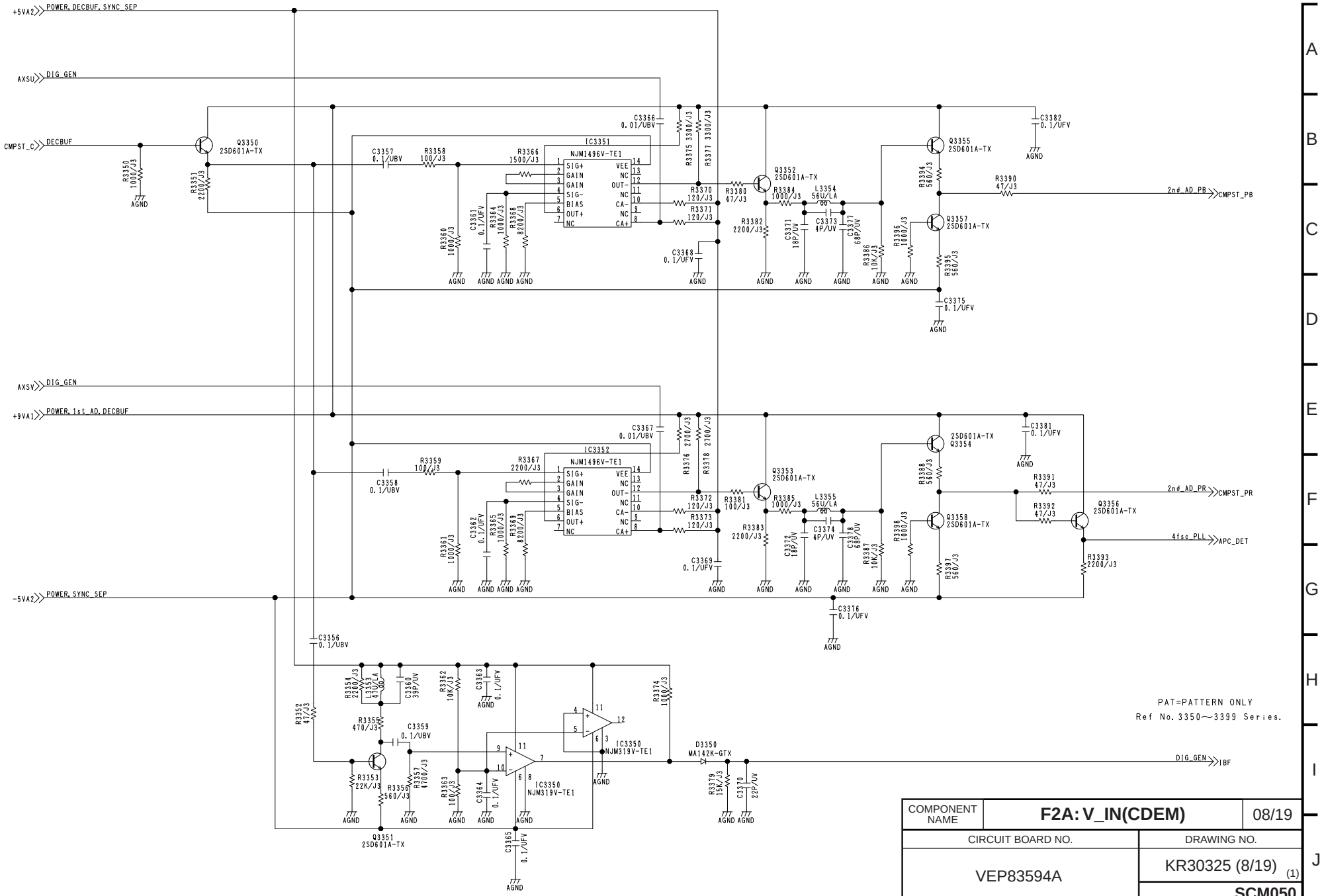
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

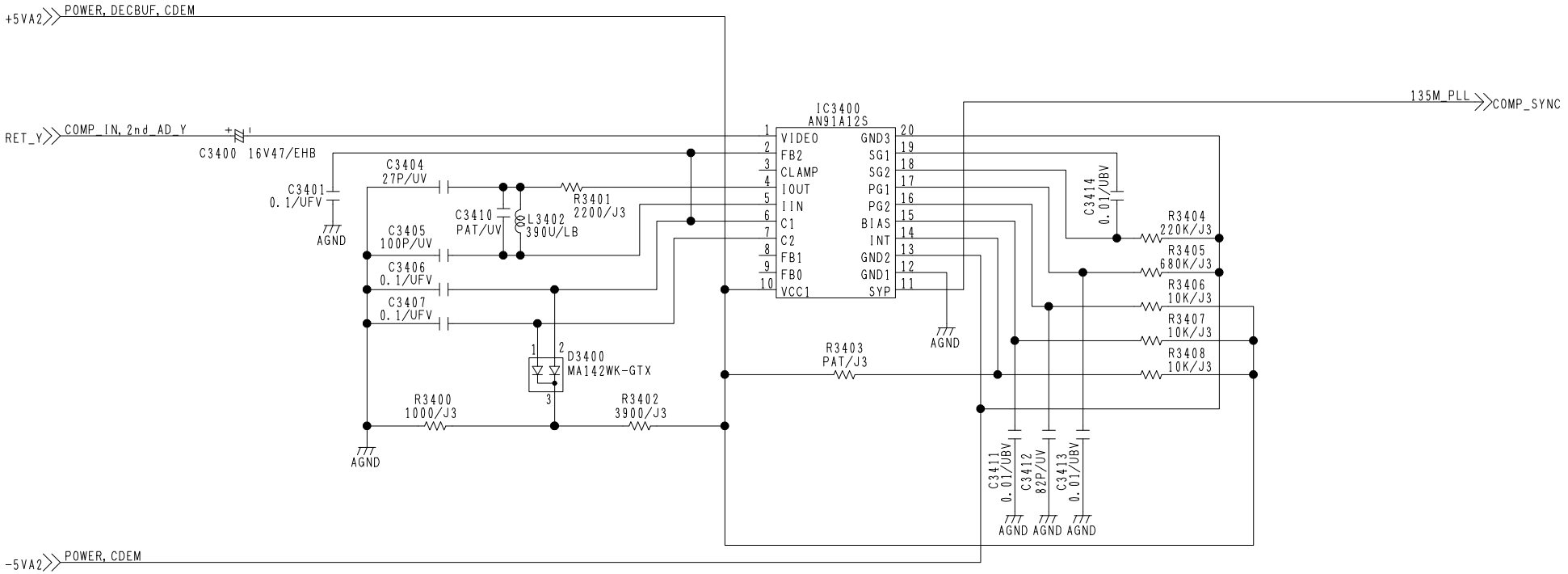


PAT=PATTERN ONLY
Ref No. 3300～3349 Series.

COMPONENT NAME	F2A: V_IN(4fsc_PLL)	07/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (7/19) (1)
		SCM049



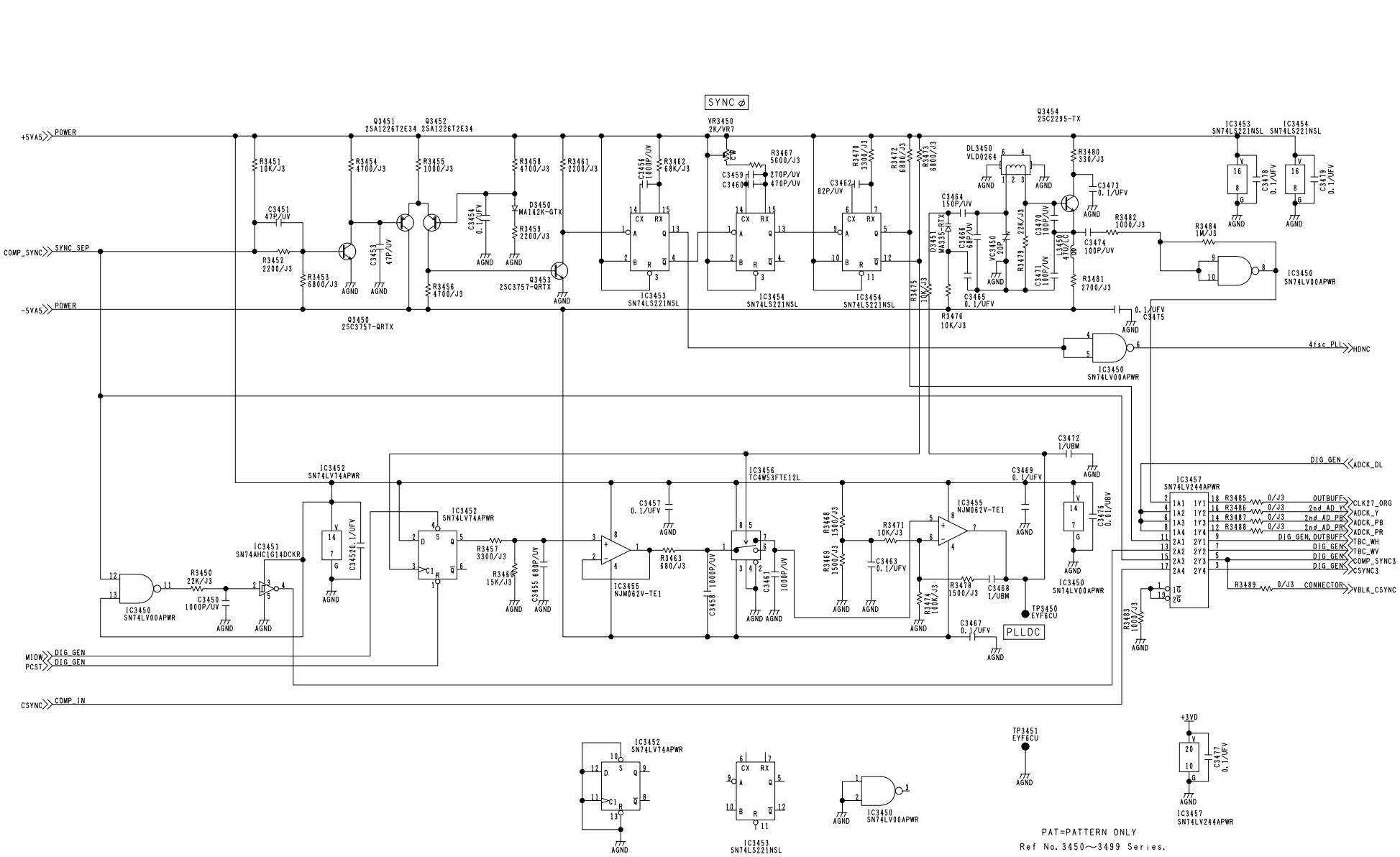
COMPONENT NAME	**F2A: V_IN(CDEM)**	08/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A	KR30325 (8/19) (1)	
	SCM050	



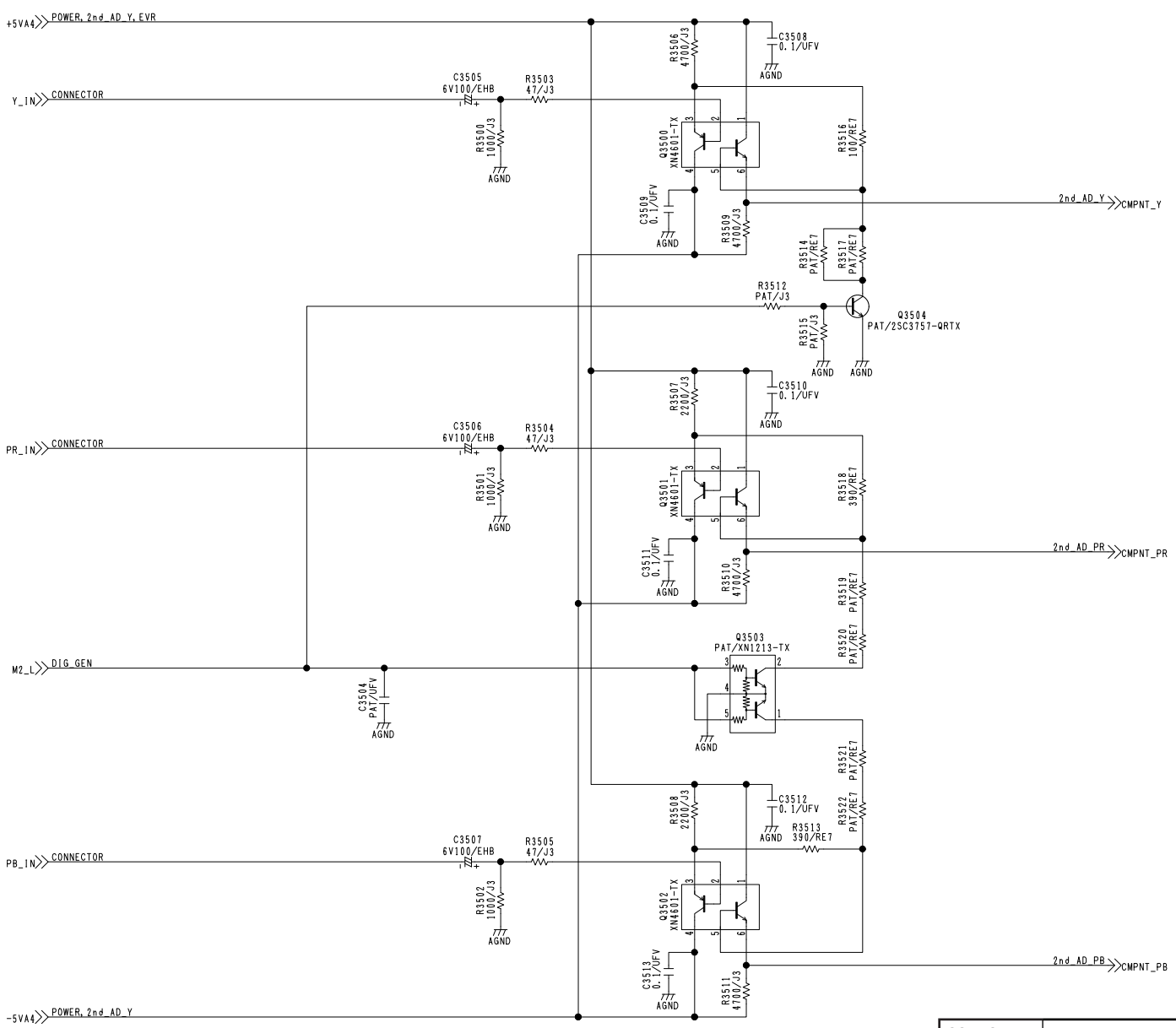
PAT=PATTERN ONLY

Ref No. 3400～3449 Series.

COMPONENT NAME	F2A: V_IN(SYNC_SEP)	09/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (9/19) (1)
		SCM051

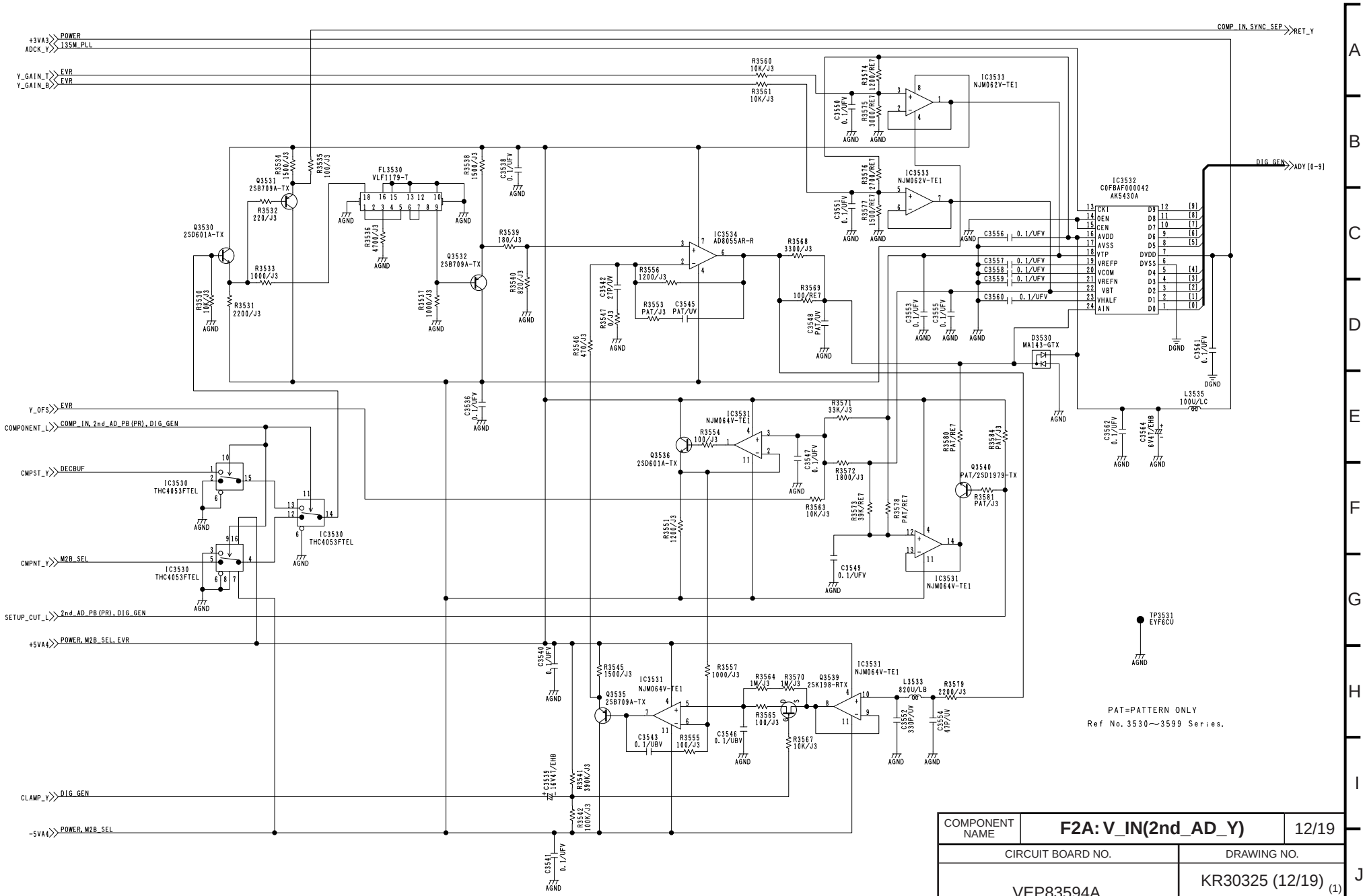


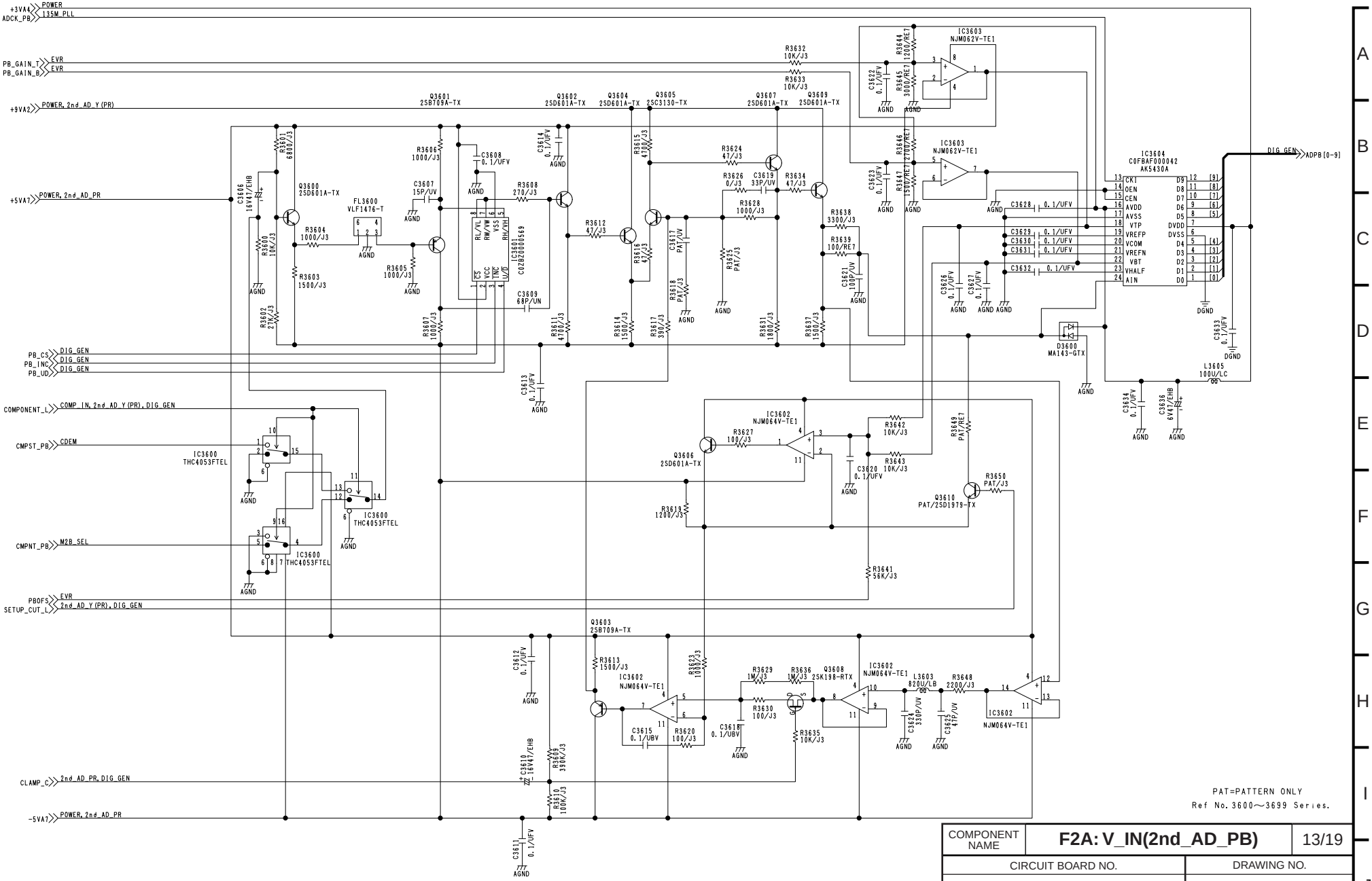
COMPONENT NAME	**F2A: V_IN(135M_PLL)**	10/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (10/19) (1)
		SCM052



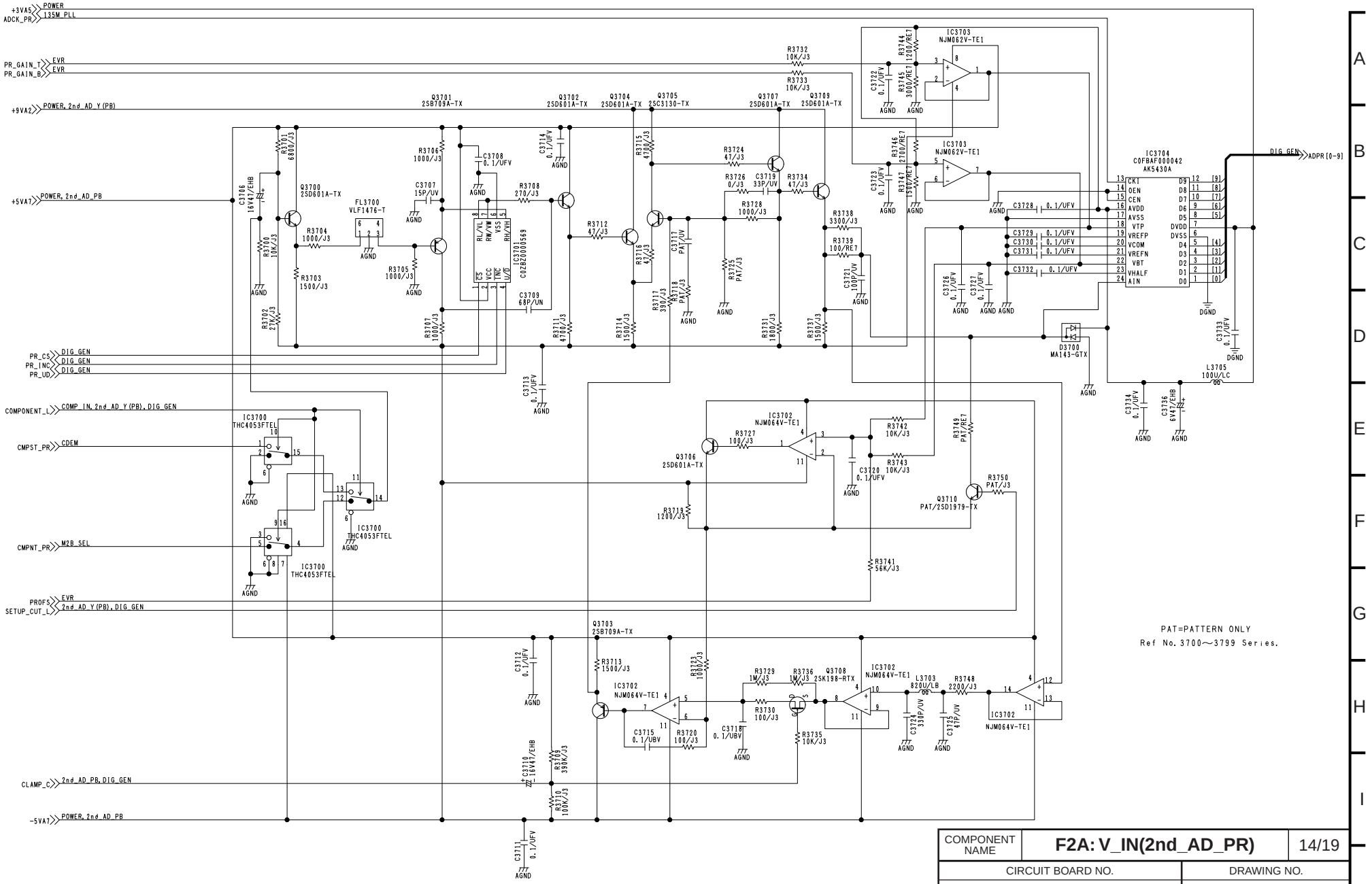
PAT=PATTERN ONLY
Ref No. 3500～3529 Series.

COMPONENT NAME	F2A: V_IN(M2B_SEL)	11/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (11/19) (1)
		SCM053

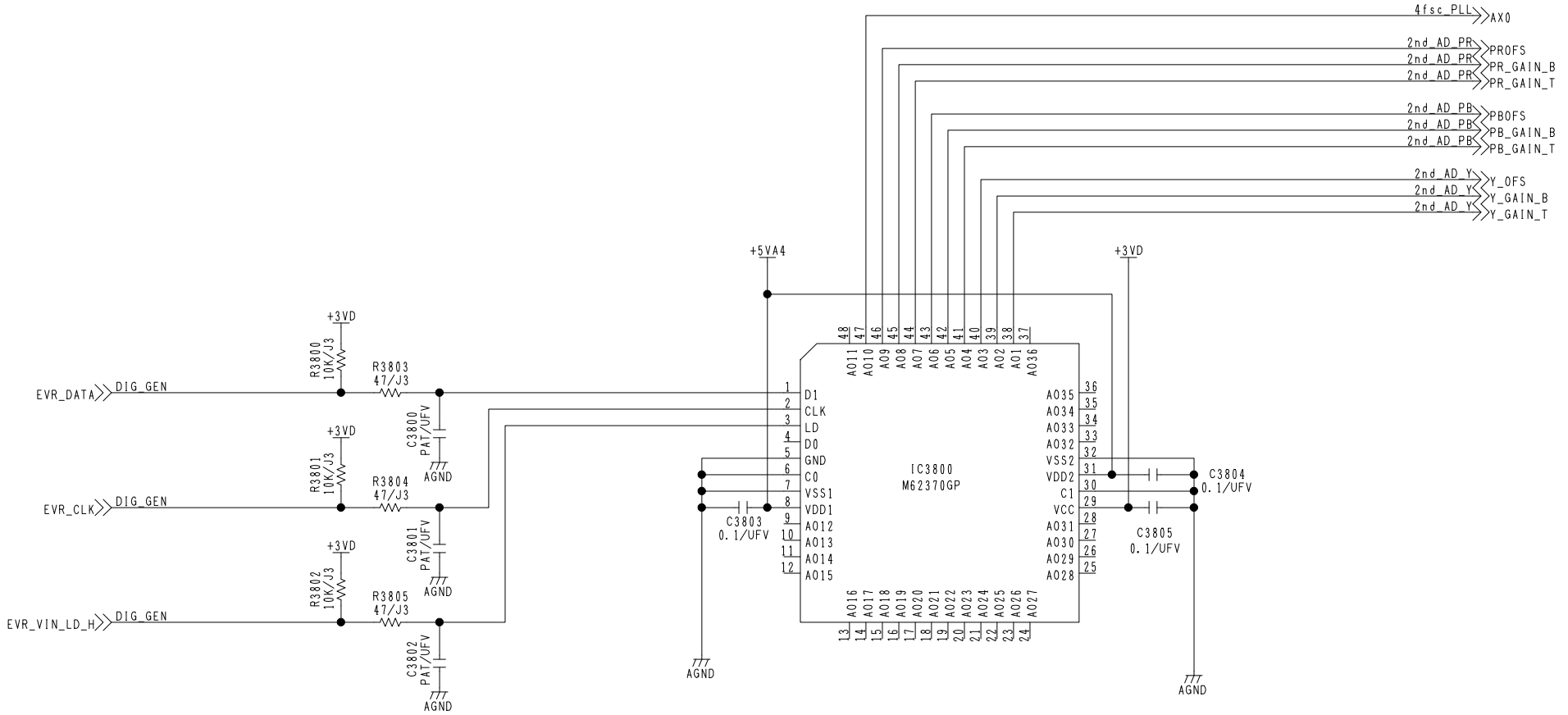

+3VA3
ADCK_Y
POWER
135M PLL
Y_GAIN_T
Y_GAIN_B
EVR
EVR
COMP_IN, SYNC SEP
RET_Y
DIG GEN
ADY [0-9]
R3560 10K/J3
R3561 10K/J3
IC3533 NJM062V-TE1
IC3532 C0FBAF000042 AK5430A
IC3534 AD8055AR-R
FL3530 VLF1179-T
Q3530 2SD601A-TX
Q3531 2SB709A-TX
Q3532 2SB709A-TX
D3530 MA143-GTX
L3535 100U/LC
Y_OFS
COMPONENT_L
COMP_IN, 2nd_AD_PB(PR), DIG_GEN
CMPST_Y
DECBUF
CMPNT_Y
M2B_SEL
IC3530 THC4053FTEL
SETUP_CUT_L
2nd_AD_PB(PR), DIG_GEN
+5VA4
POWER, M2B_SEL, EVR
CLAMP_Y
DIG_GEN
-5VA4
POWER, M2B_SEL
IC3531 NJM064V-TE1
Q3535 2SB709A-TX
Q3536 2SD601A-TX
Q3539 2SK198-RTX
Q3540 PAT/2SD1979-TX
TP3531 EYF6CU
PAT=PATTERN ONLY
Ref No. 3530～3599 Series.
COMPONENT NAME
F2A: V_IN(2nd_AD_Y)
12/19
CIRCUIT BOARD NO.
VEP83594A
DRAWING NO.
KR30325 (12/19) (1)
SCM054



COMPONENT NAME	**F2A: V_IN(2nd_AD_PB)**	13/19
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83594A	KR30325 (13/19) (1)	
	SCM055	



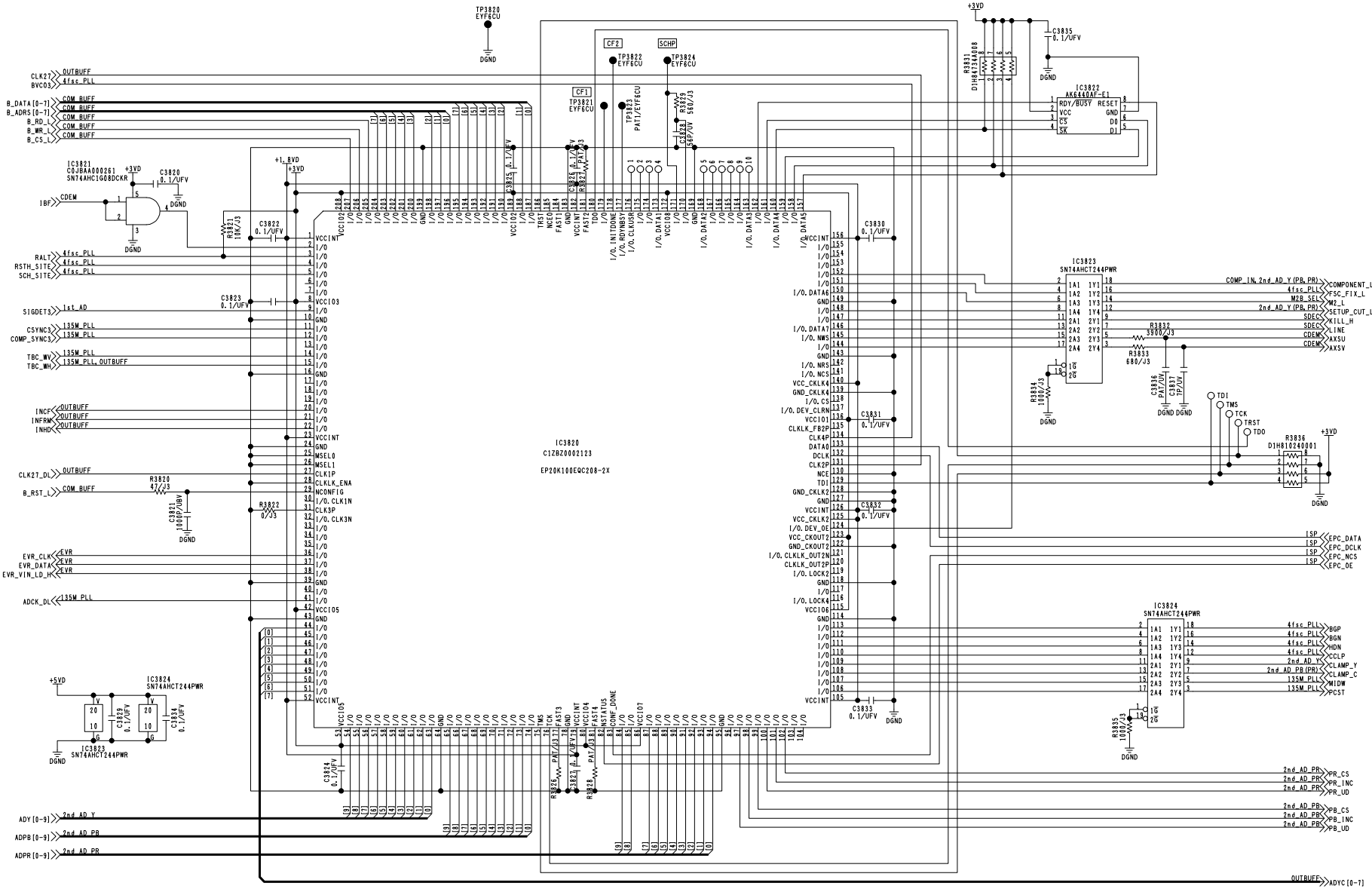
COMPONENT NAME	**F2A: V_IN(2nd_AD_PR)**	14/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (14/19) (1)
		SCM056



PAT=PATTERN ONLY

Ref No. 3800～3819 Series.

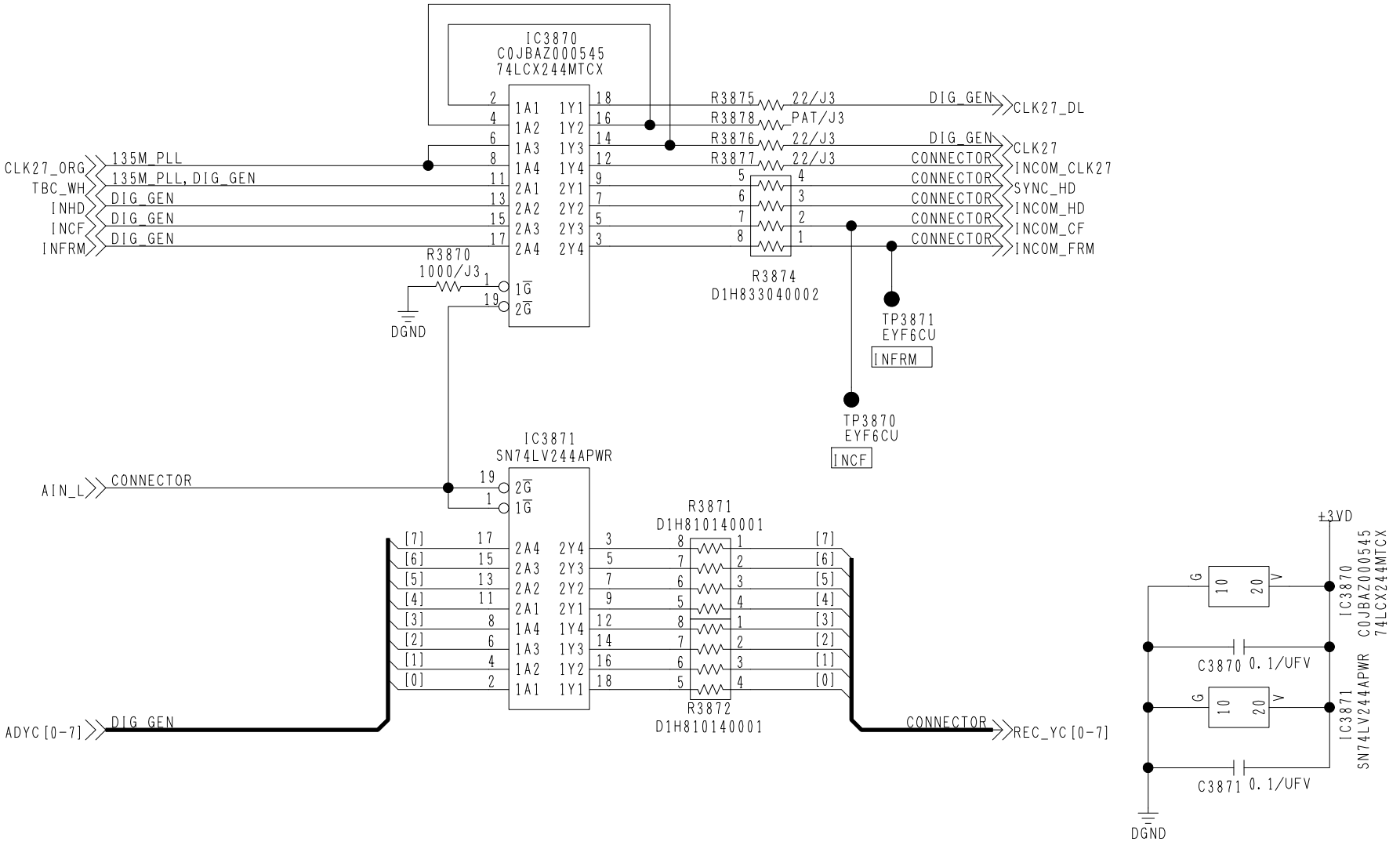
COMPONENT NAME	F2A: V_IN(EVR)	15/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (15/19) (1)
		SCM057



PAT=PATTERN ONLY

Ref No. 3820～3869 Series.

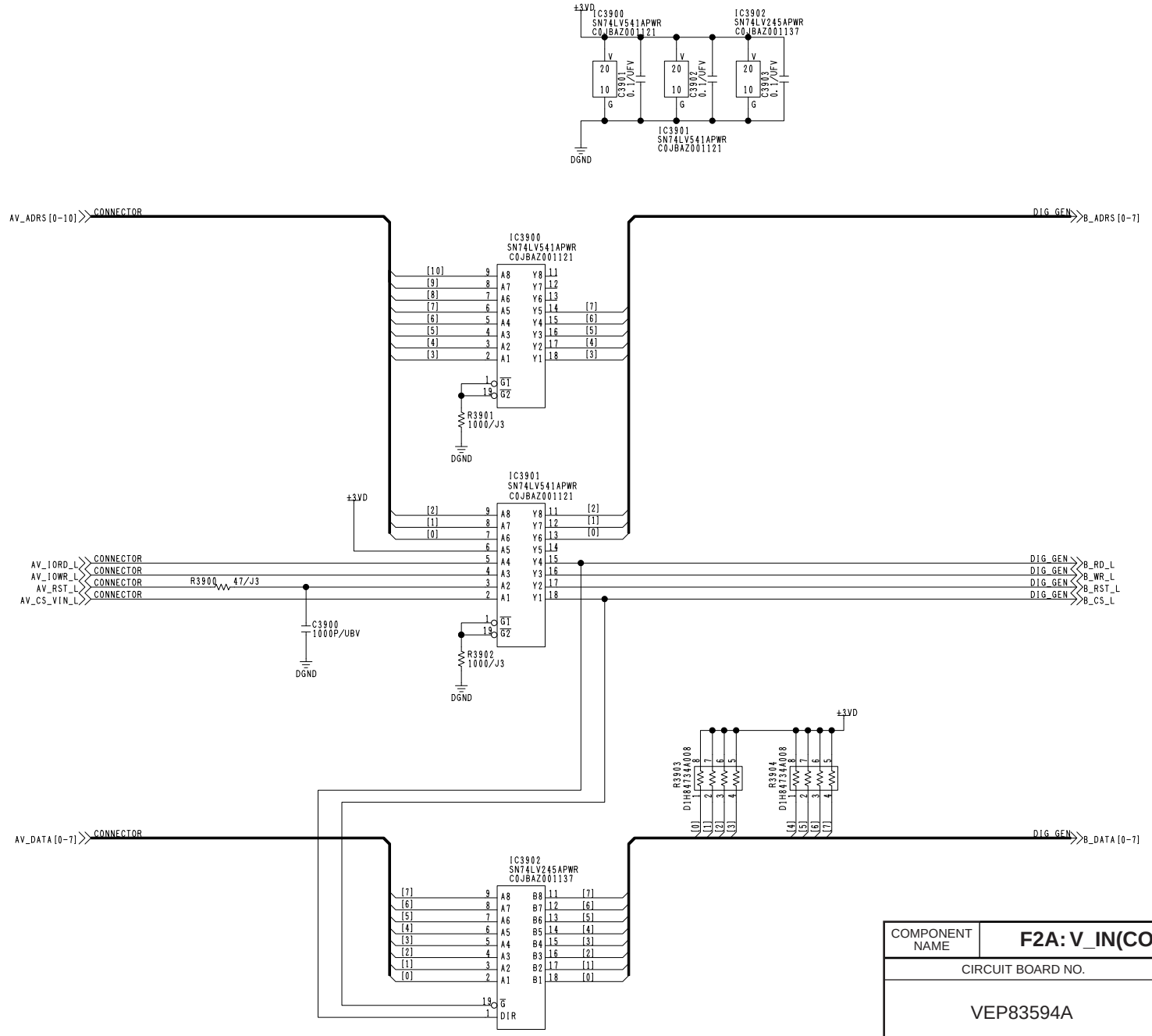
COMPONENT NAME	F2A: V_IN(DIG_GEN)	16/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (16/19) (1)
		SCM058

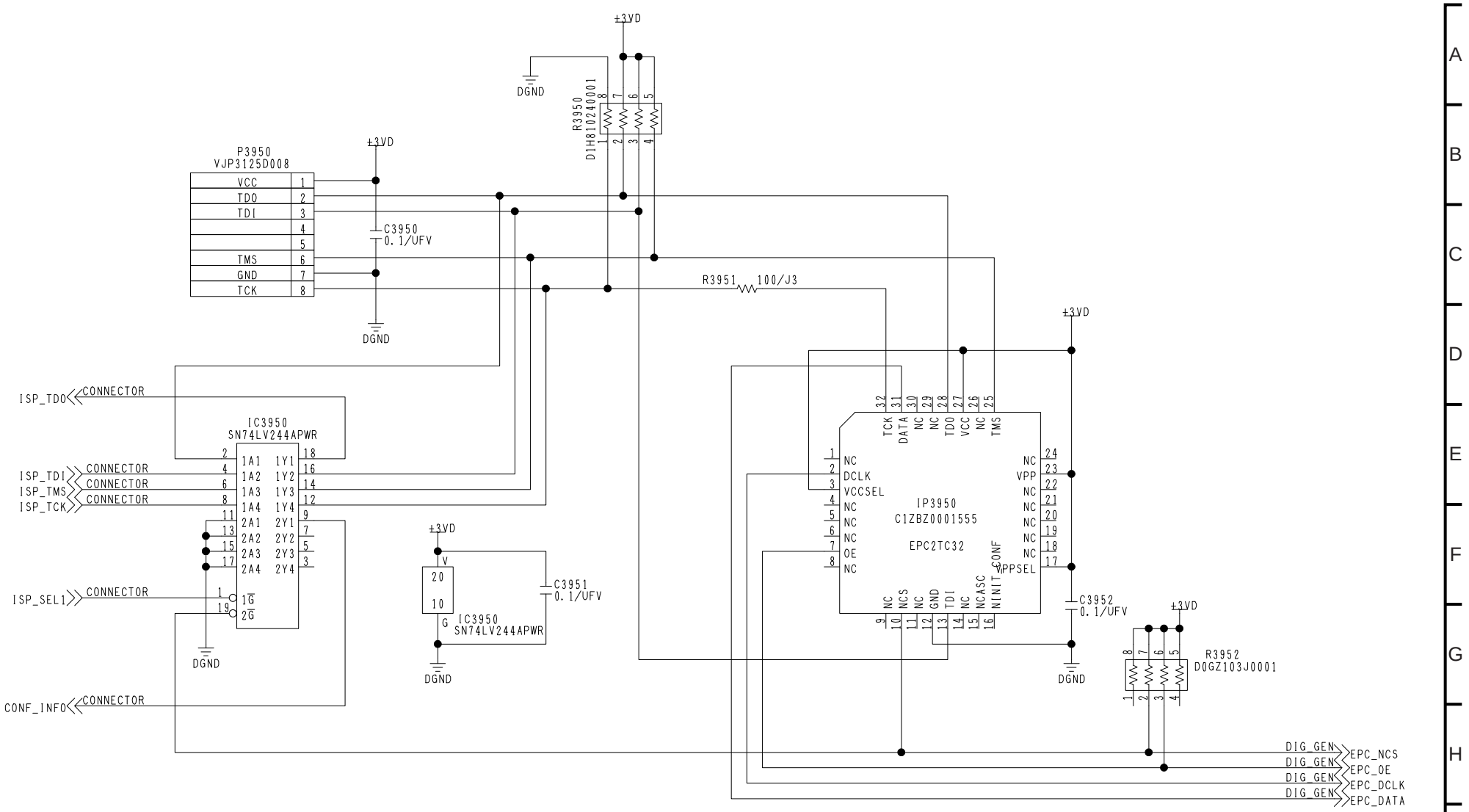


PAT=PATTERN ONLY

Ref No. 3870～3899 Series.

COMPONENT NAME	F2A: V_IN(OUTBUFF)	17/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (17/19) (1)
		SCM059

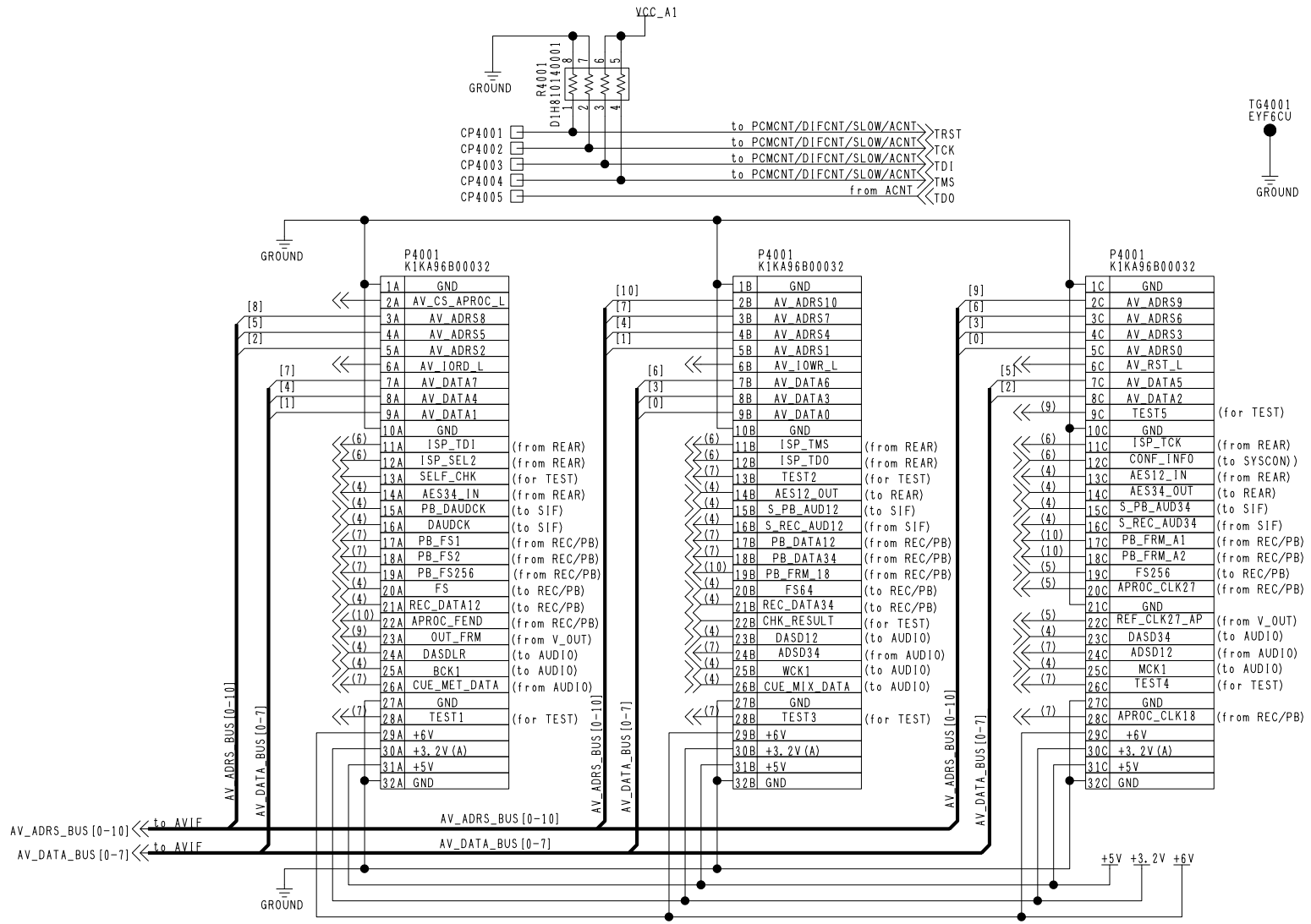

+3VD
IC3900
SN74LV541APWR
C0JBAZ001121
IC3902
SN74LV245APWR
C0JBAZ001137
C3901
0.1/UFV
C3902
0.1/UFV
C3903
0.1/UFV
IC3901
SN74LV541APWR
C0JBAZ001121
DGND
AV_ADRS[0-10]
CONNECTOR
DIG_GEN
B_ADRS[0-7]
R3901
1000/J3
R3902
1000/J3
AV_IORD_L
AV_IOWR_L
AV_RST_L
AV_CS_VIN_L
R3900 47/J3
C3900
1000P/UBV
B_RD_L
B_WR_L
B_RST_L
B_CS_L
R3903
D1H847344008
R3904
D1H847344008
AV_DATA[0-7]
B_DATA[0-7]
DIR
PAT=PATTERN ONLY
Ref No. 3900～3949 Series.
COMPONENT NAME
F2A: V_IN(COM_BUFF)
18/19
CIRCUIT BOARD NO.
VEP83594A
DRAWING NO.
KR30325 (18/19) (1)
SCM060



PAT=PATTERN ONLY

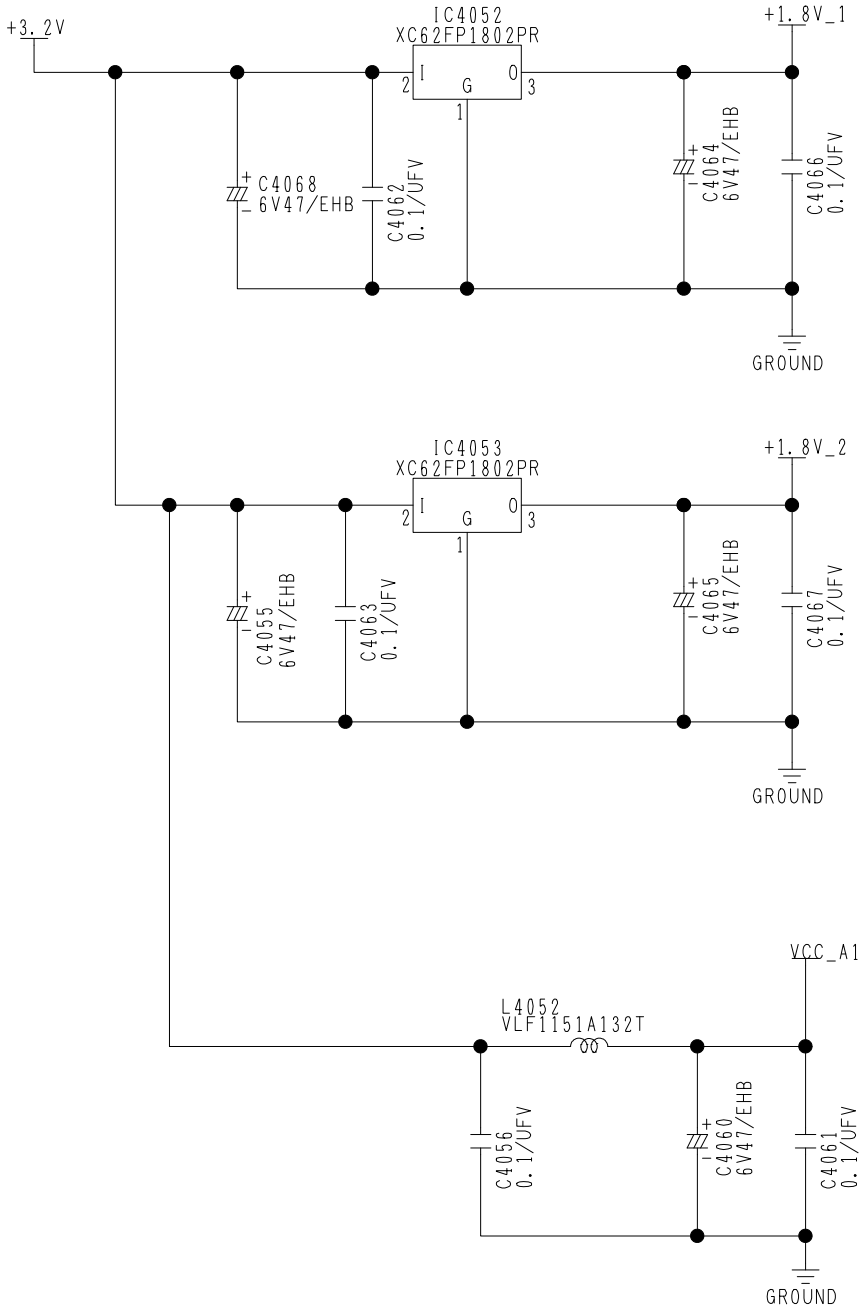
Ref No. 3950～3999 Series.

COMPONENT NAME	F2A: V_IN(ISP)	19/19
CIRCUIT BOARD NO.		DRAWING NO.
VEP83594A		KR30325 (19/19) (1)
		SCM061



Ref. No. 4001-4050

COMPONENT NAME	F2B: APROC(CONNECTOR)	01/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384B		KR4K92 (1/12) (0)
		SCM062

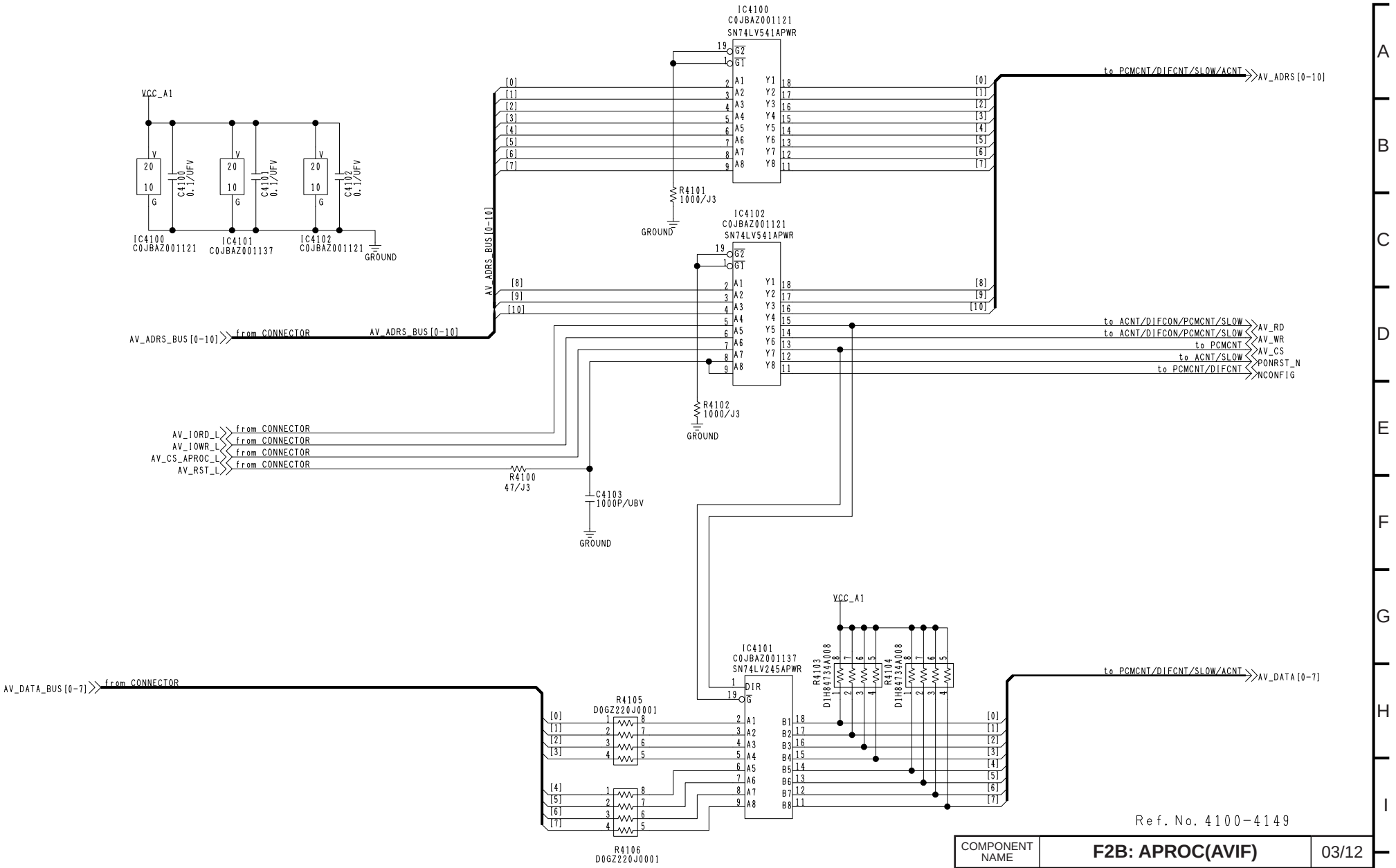


Ref. No. 4051-4099

COMPONENT NAME	F2B: APROC(POWER)	02/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384B		KR4K92 (2/12) (0)
		SCM063

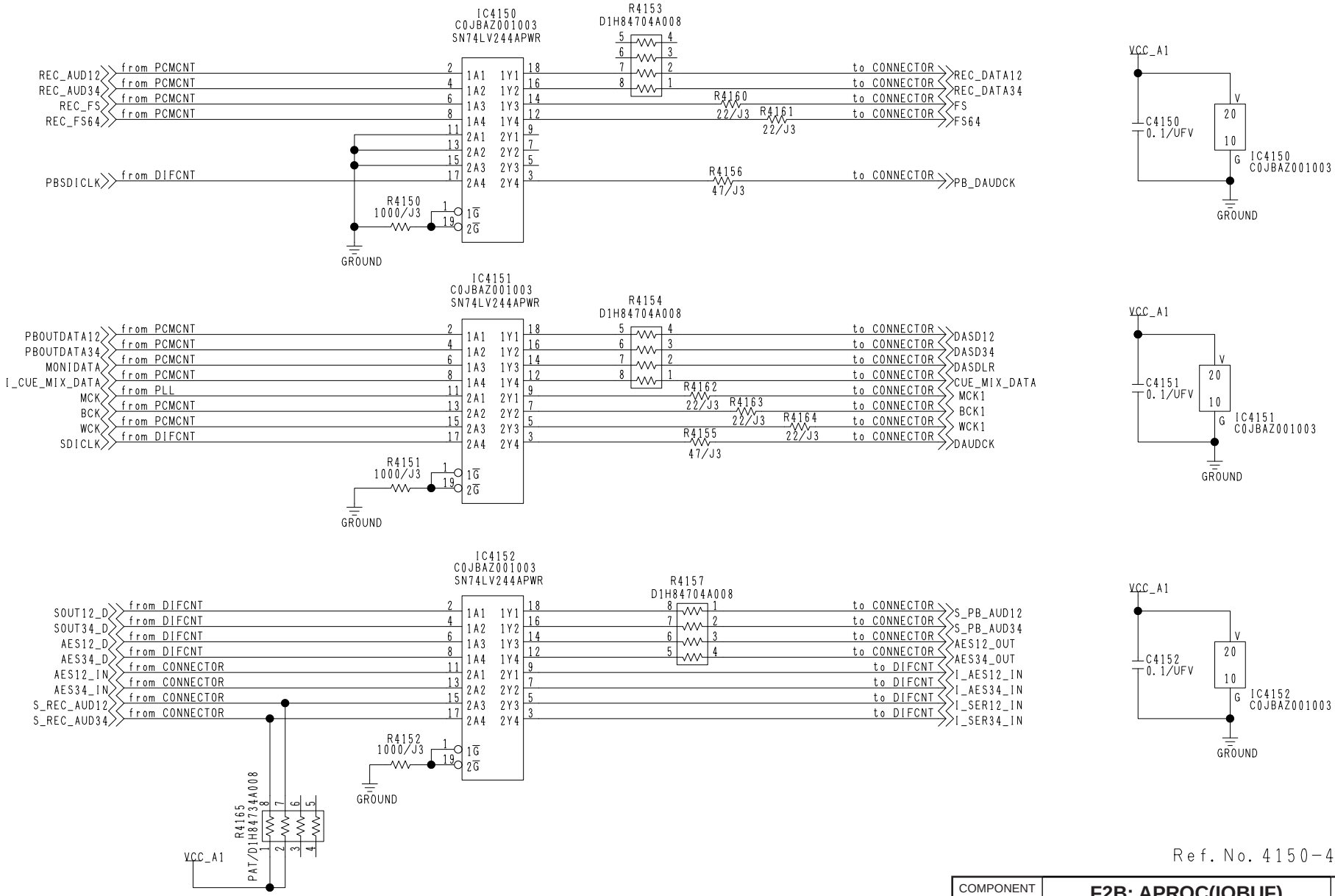
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



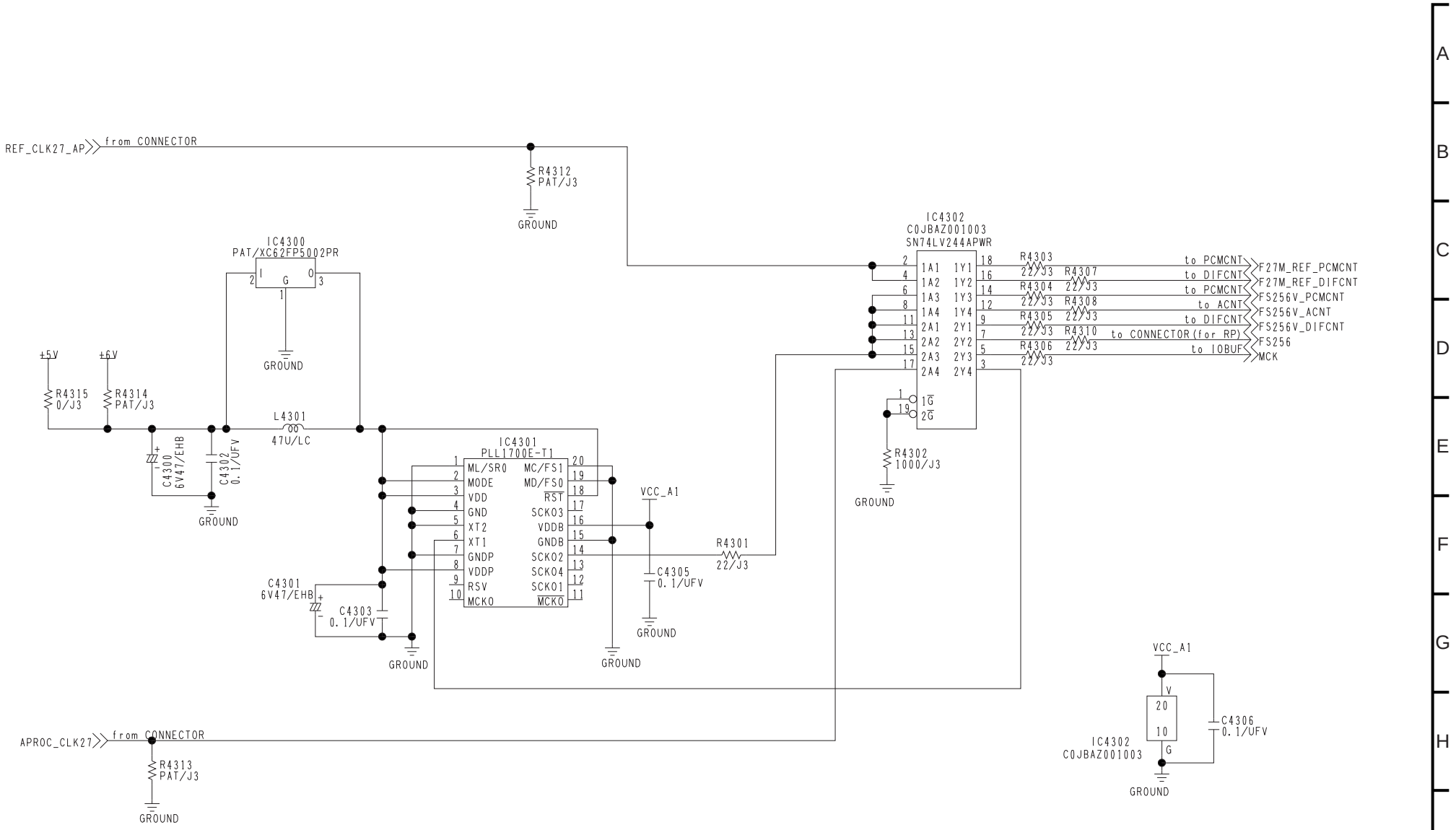
Ref. No. 4100-4149

COMPONENT NAME	F2B: APROC(AVIF)	03/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384B	KR4K92 (3/12) (0)	
	SCM064	



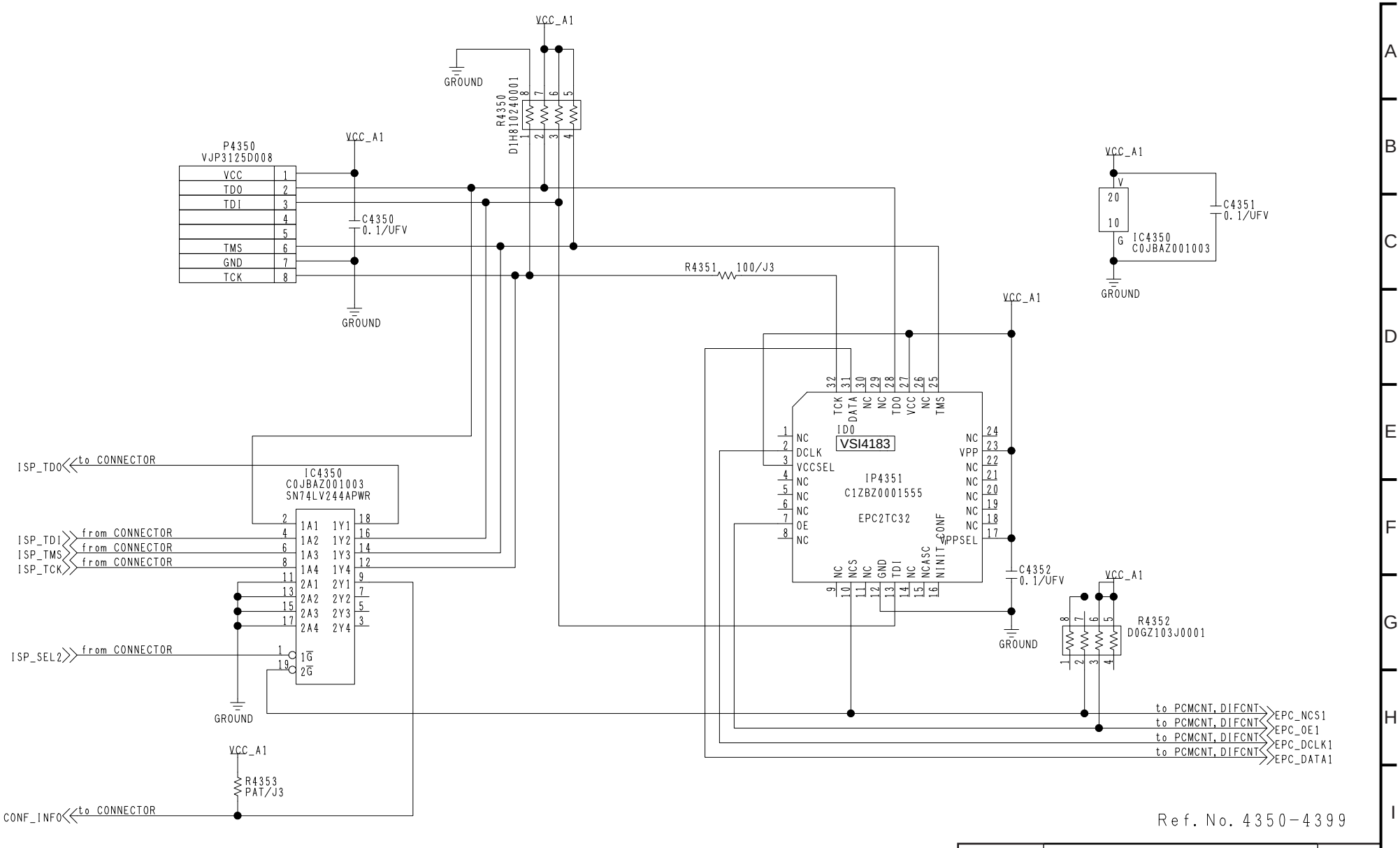
Ref. No. 4150-4199

COMPONENT NAME	F2B: APROC(IOBUF)	04/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384B	KR4K92 (4/12) (0)	
	SCM065	



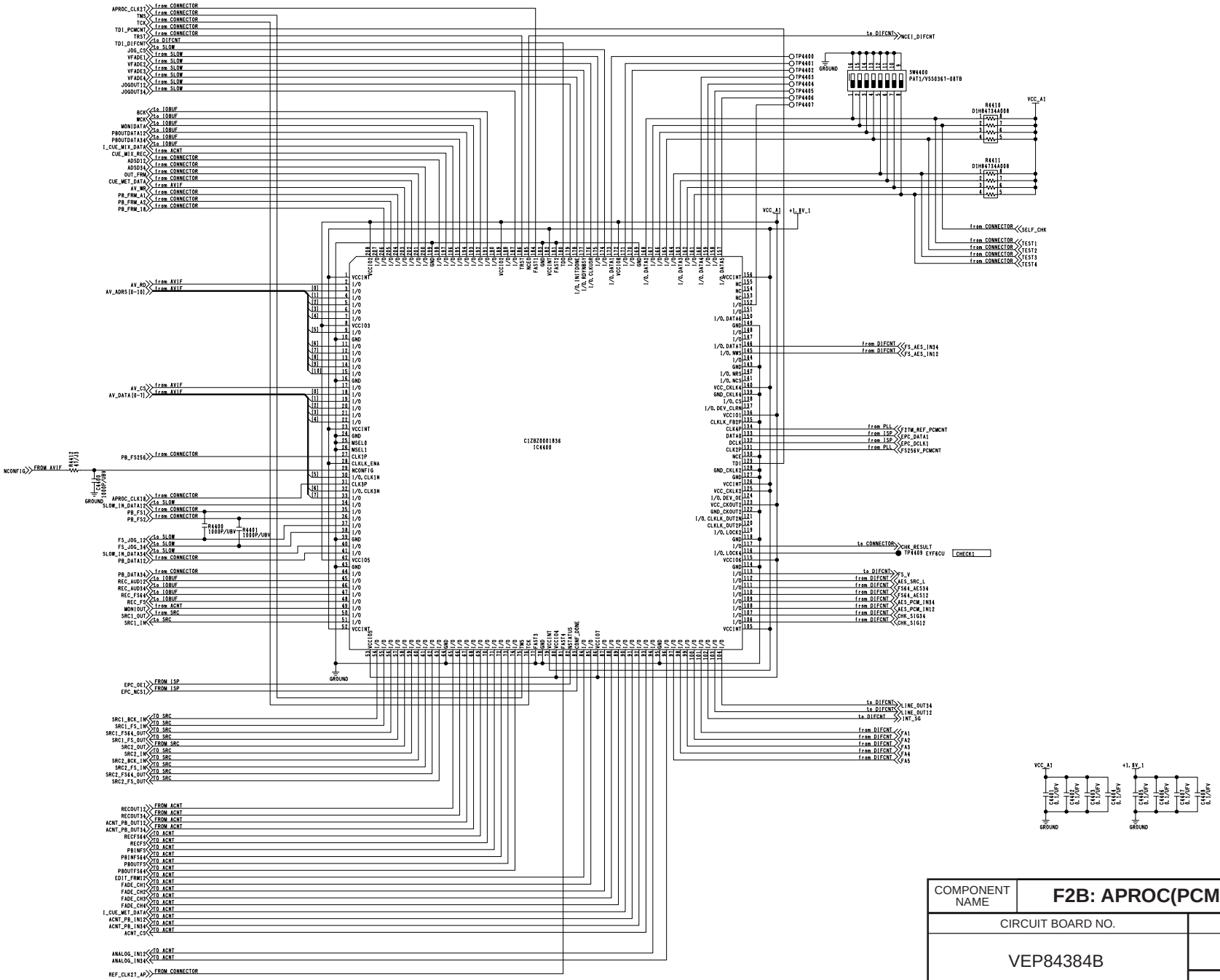
Ref. No. 4300-4349

COMPONENT NAME	F2B: APROC(PLL)	05/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384B		KR4K92 (5/12) (0)
		SCM066



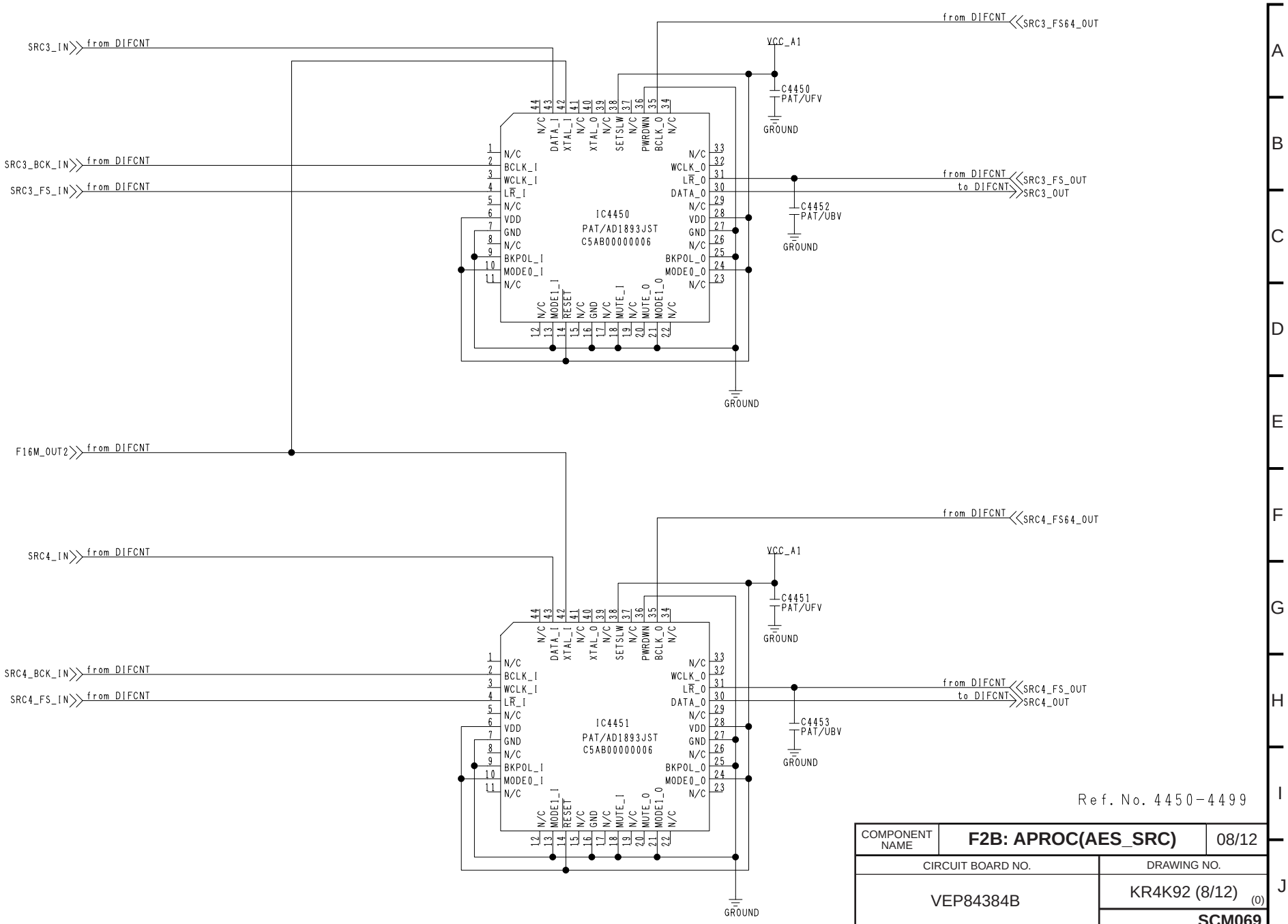
Ref. No. 4350–4399

COMPONENT NAME	F2B: APROC(ISP)	06/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384B		KR4K92 (6/12) (0)
		SCM067



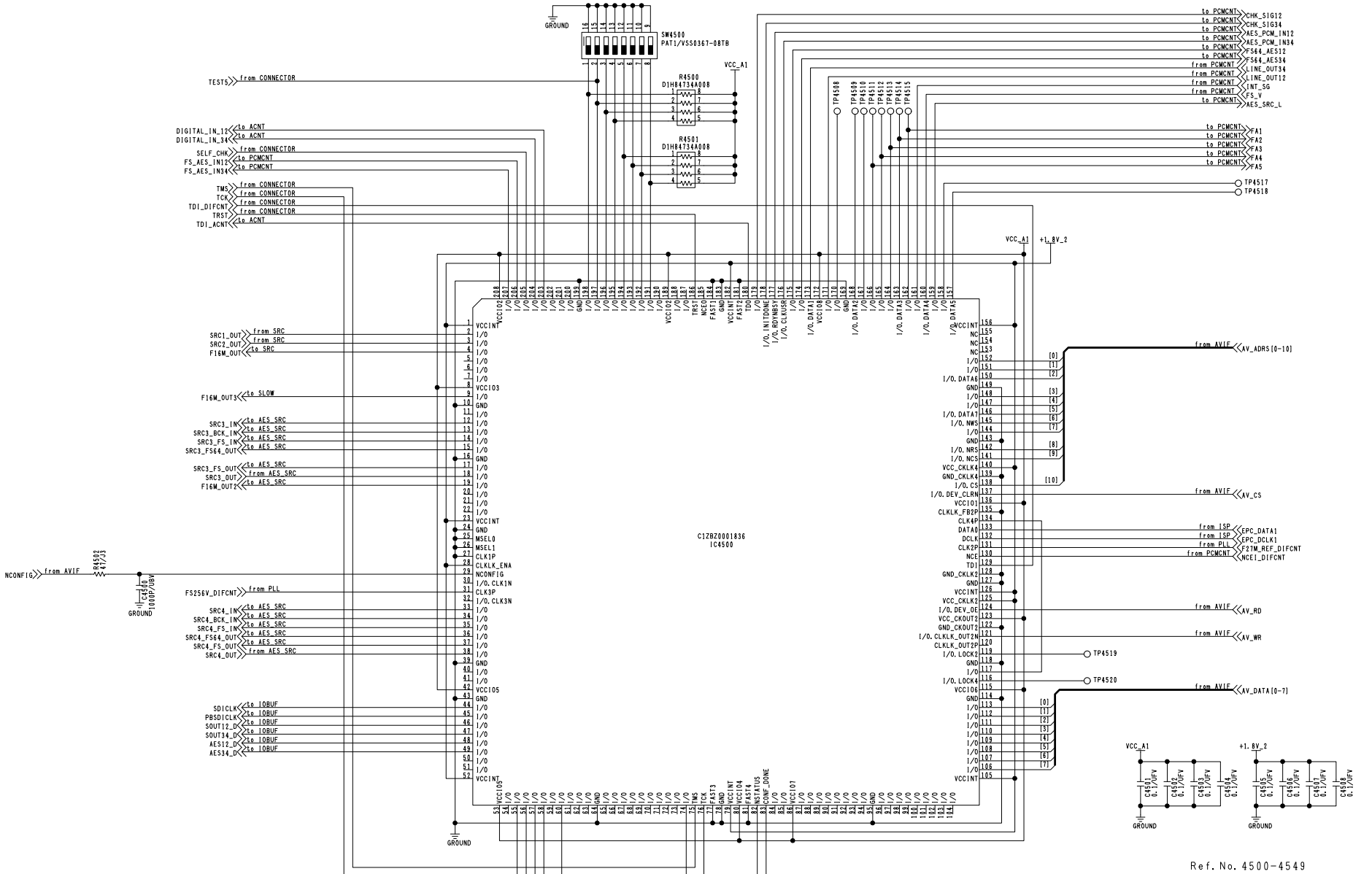
Ref. No. 4400-4449

COMPONENT NAME	F2B: APROC(PCMCNT)	07/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384B		KR4K92 (7/12) (0)
		SCM068

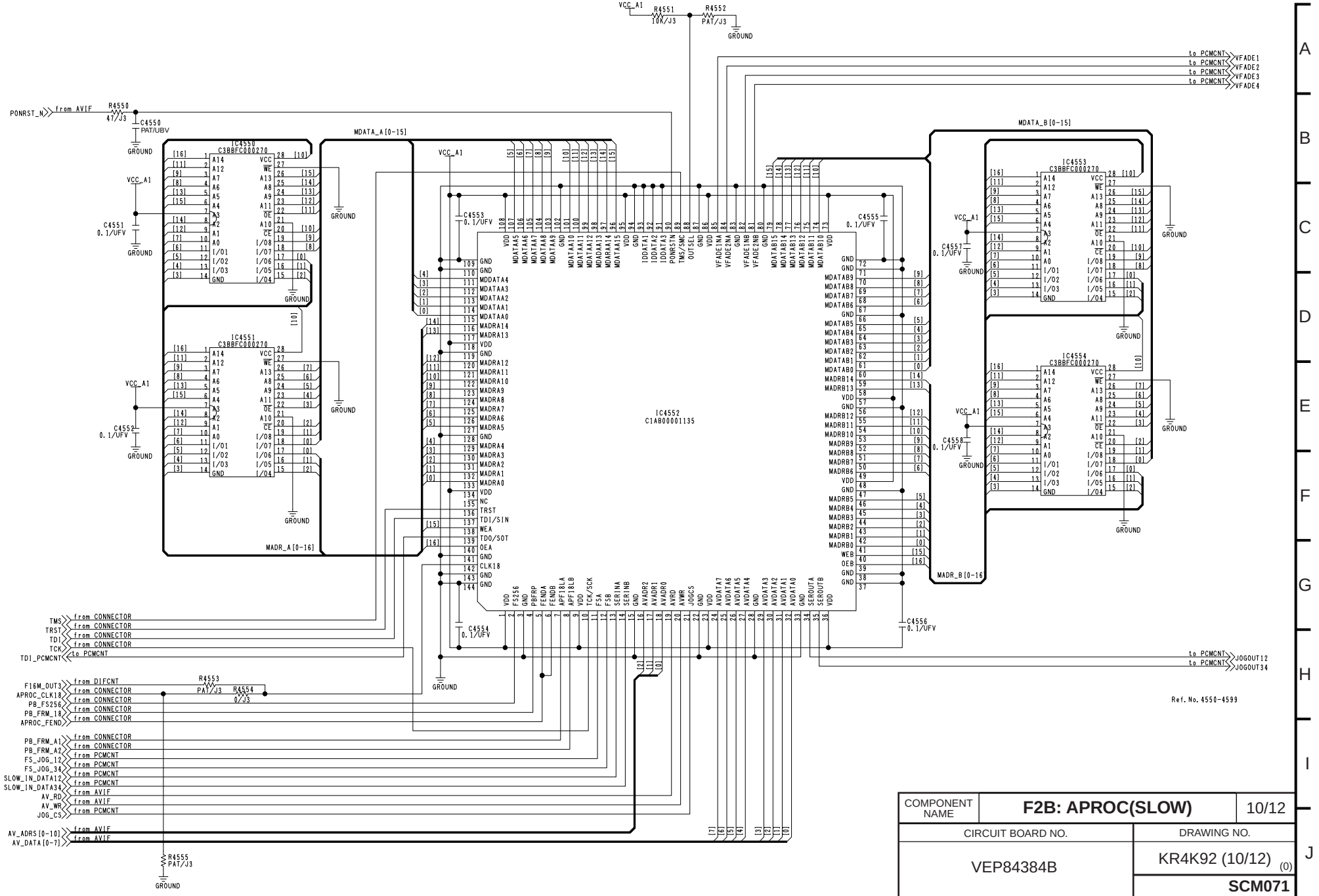


Ref. No. 4450–4499

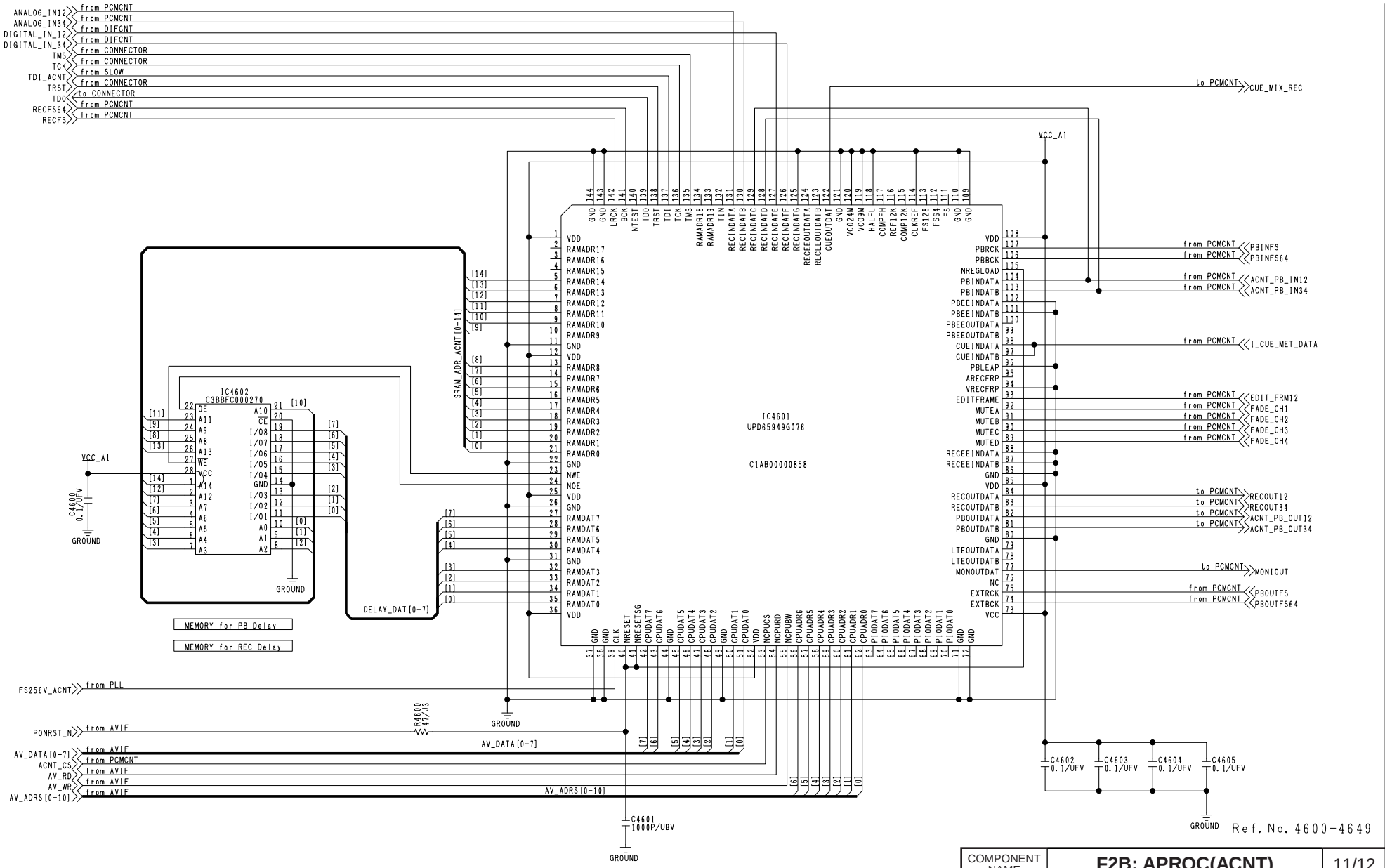
COMPONENT NAME	F2B: APROC(AES_SRC)	08/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384B		KR4K92 (8/12) (0)
		SCM069



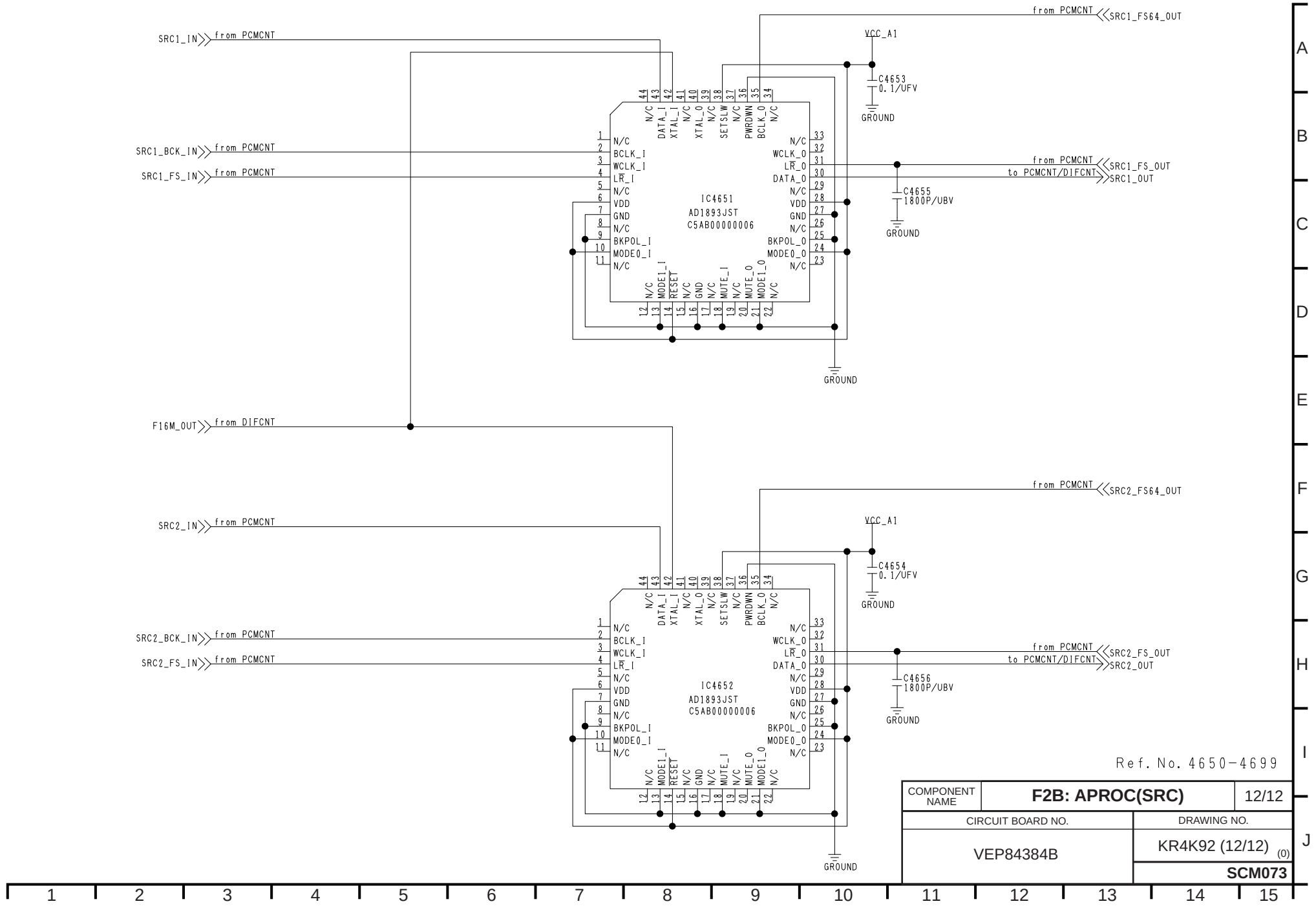
COMPONENT NAME	**F2B: APROC(DIFCNT)**	09/12
CIRCUIT BOARD NO.	DRAWING NO.	
VEP84384B	KR4K92 (9/12) (0)	
	SCM070	

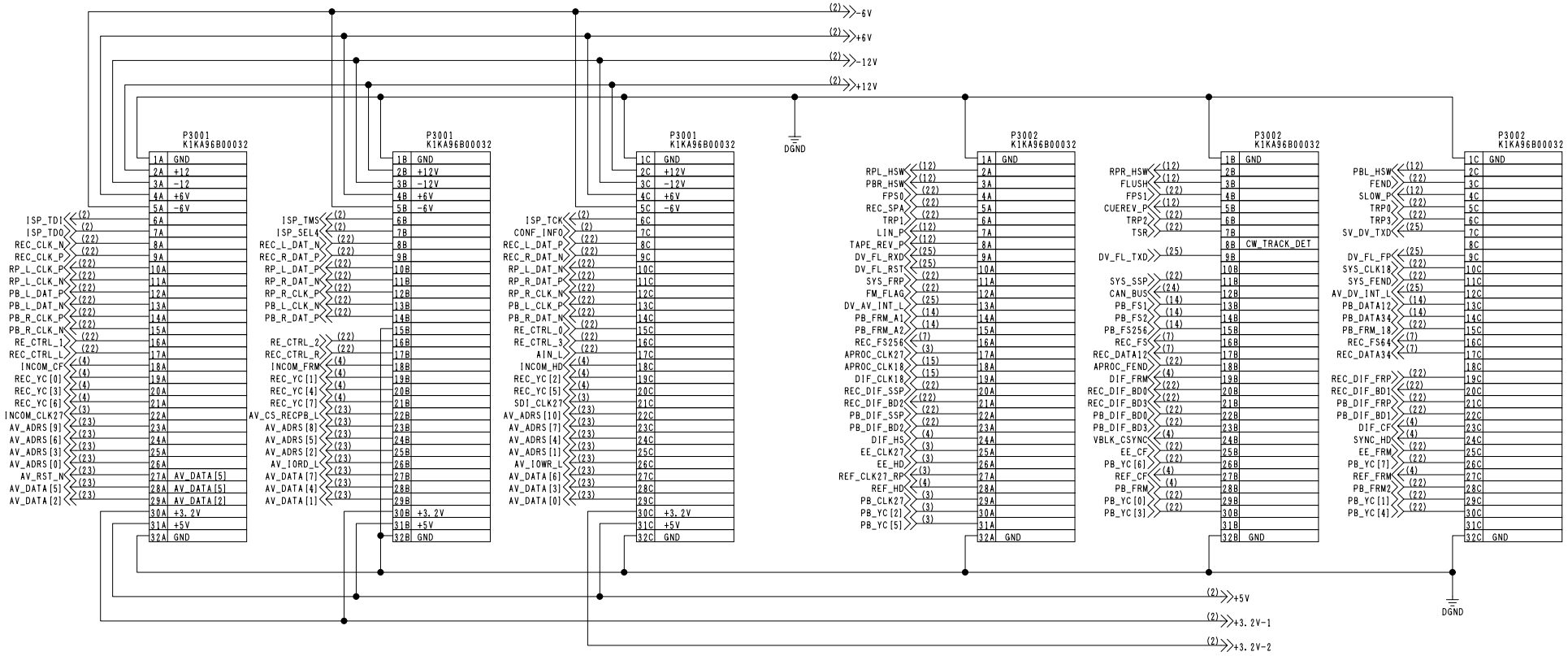


COMPONENT NAME	F2B: APROC(SLOW)	10/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384B		KR4K92 (10/12) (0)
		SCM071



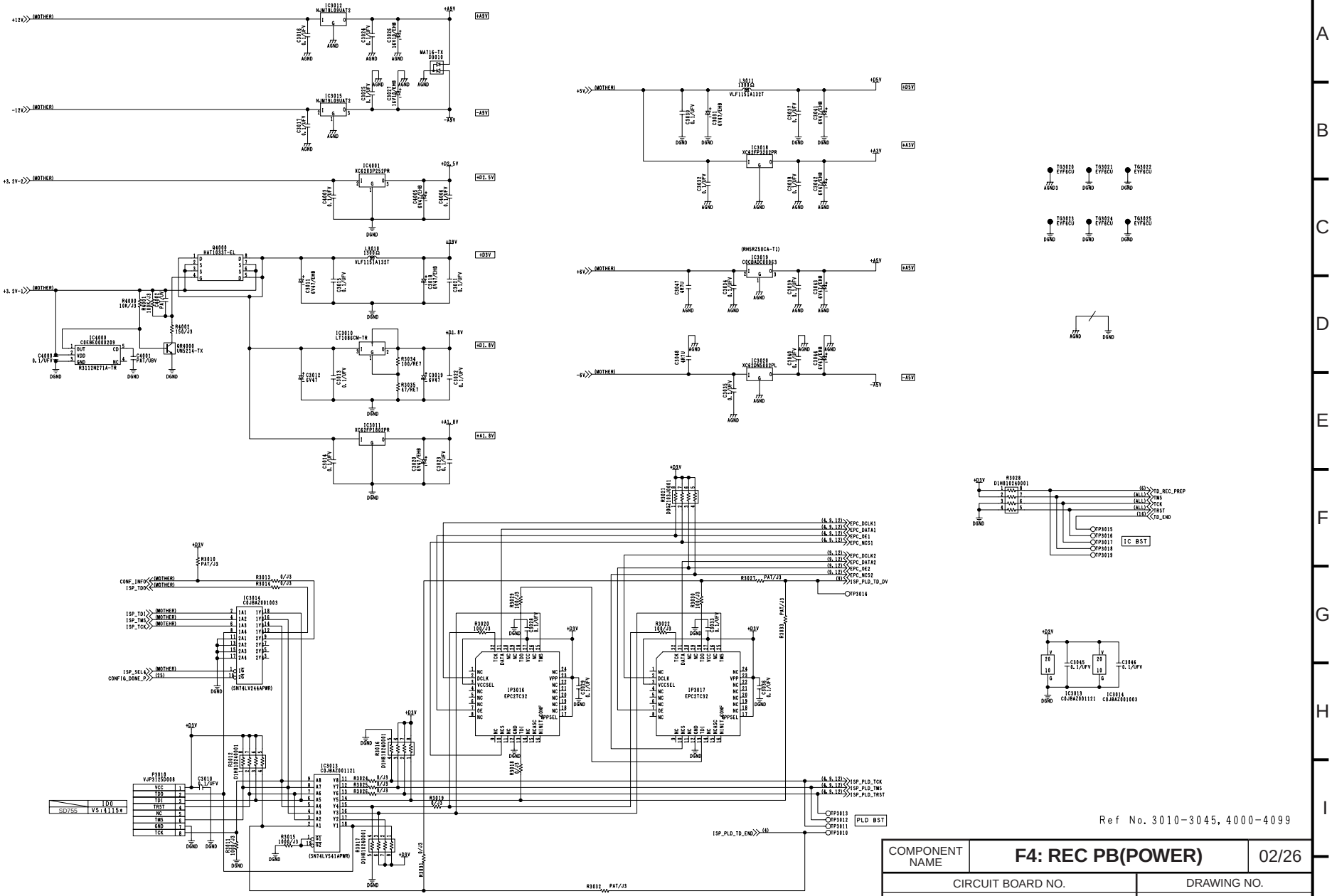
COMPONENT NAME	F2B: APROC(ACNT)	11/12
CIRCUIT BOARD NO.		DRAWING NO.
VEP84384B		KR4K92 (11/12) (0)
		SCM072


SRC1_IN
from PCMCNT
SRC1_BCK_IN
from PCMCNT
SRC1_FS_IN
from PCMCNT
F16M_OUT
from DIFCNT
SRC2_IN
from PCMCNT
SRC2_BCK_IN
from PCMCNT
SRC2_FS_IN
from PCMCNT
IC4651
AD1893JST
C5AB00000006
IC4652
AD1893JST
C5AB00000006
VCC_A1
C4653
0.1/UFV
C4654
0.1/UFV
C4655
1800P/UBV
C4656
1800P/UBV
GROUND
from PCMCNT
SRC1_FS64_OUT
from PCMCNT
SRC1_FS_OUT
to PCMCNT/DIFCNT
SRC1_OUT
from PCMCNT
SRC2_FS64_OUT
from PCMCNT
SRC2_FS_OUT
to PCMCNT/DIFCNT
SRC2_OUT
Ref. No. 4650-4699
COMPONENT NAME
F2B: APROC(SRC)
12/12
CIRCUIT BOARD NO.
VEP84384B
DRAWING NO.
KR4K92 (12/12) (0)
SCM073



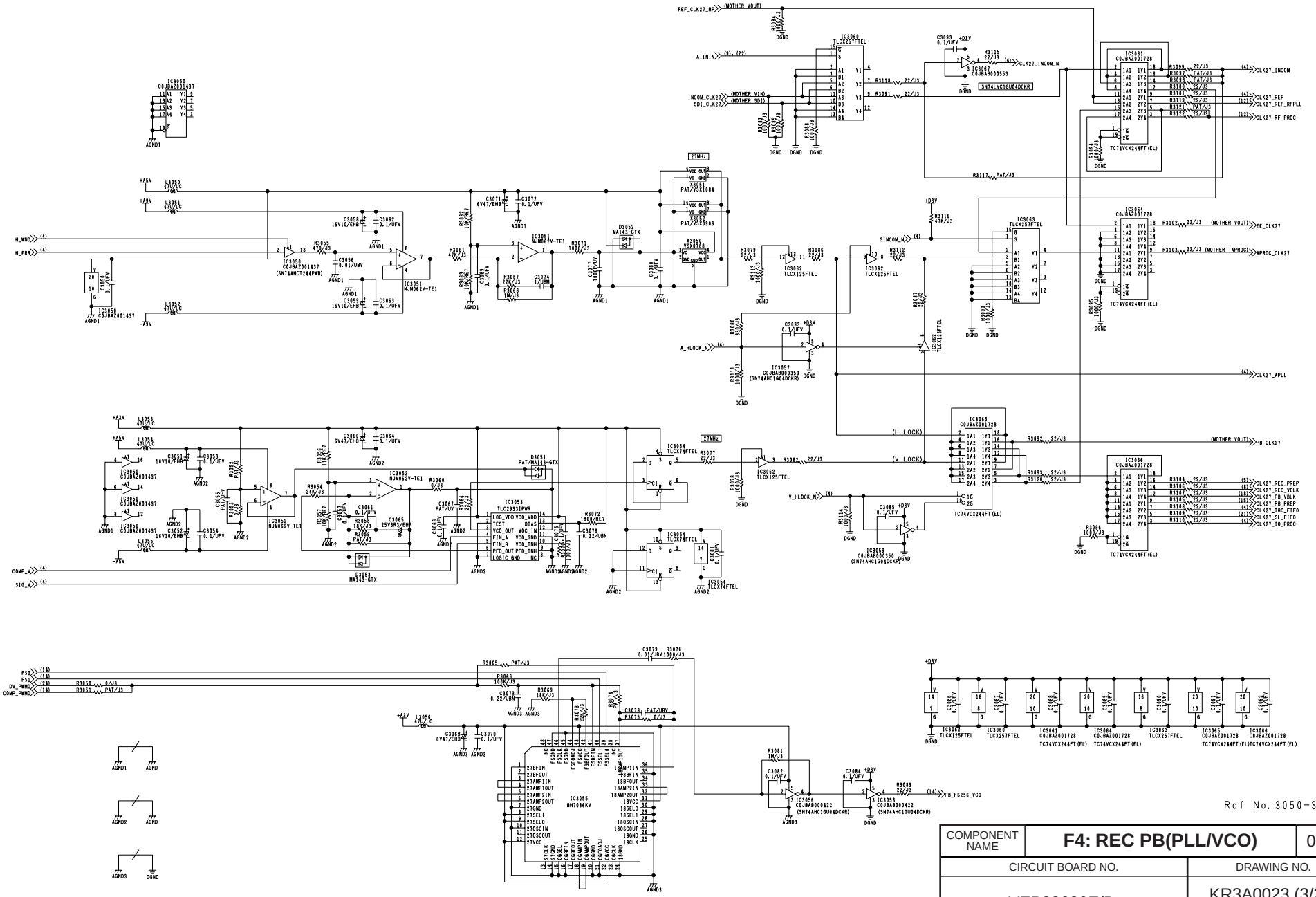
Ref No. 3001-3002

COMPONENT NAME	F4: REC PB(MOTHER)	01/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (1/26) (0)
		SCM074



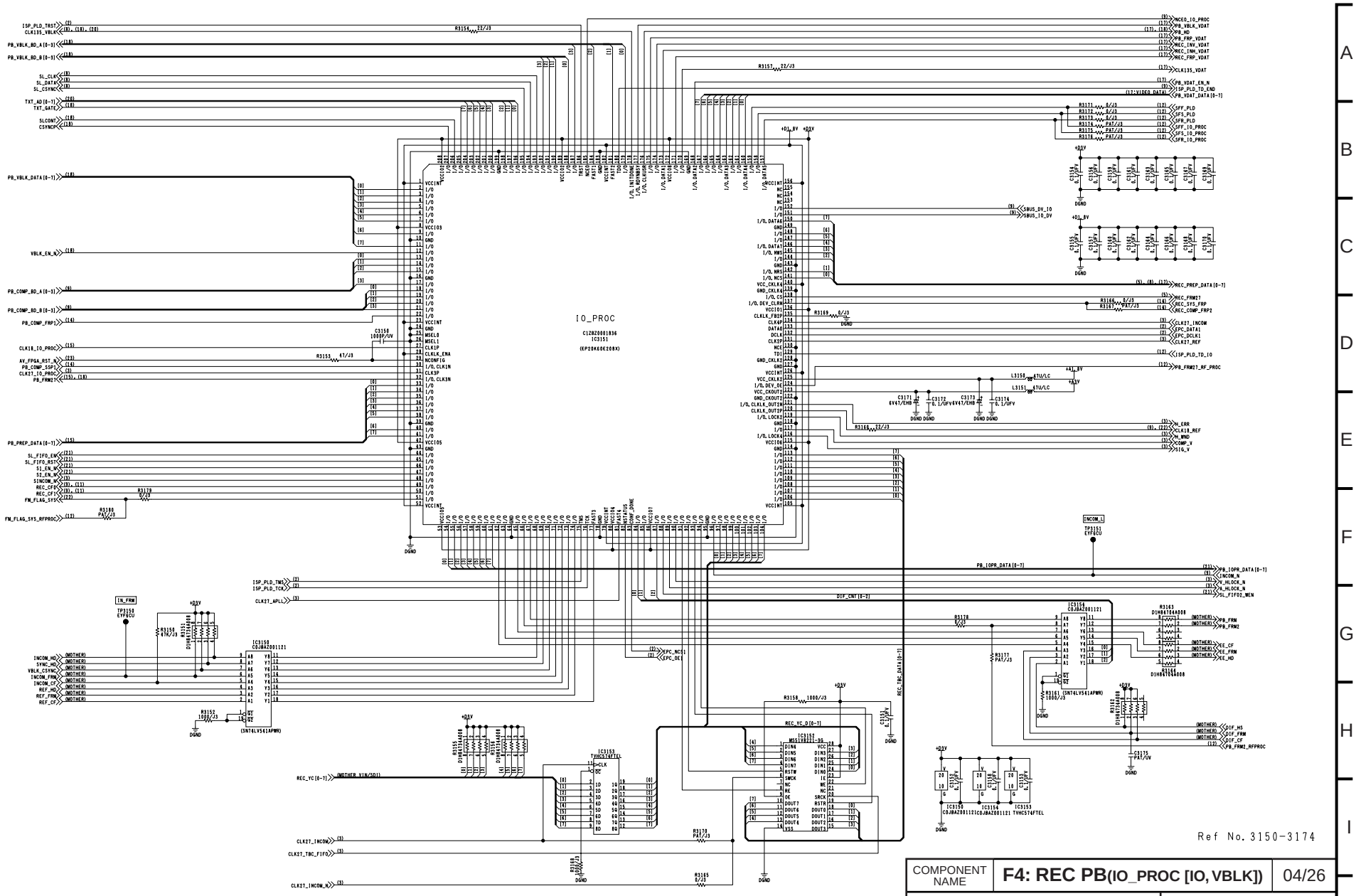
Ref No. 3010-3045, 4000-4099

COMPONENT NAME	**F4: REC PB(POWER)**	02/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629E/D	KR3A0023 (2/26) (0)	
	SCM075	

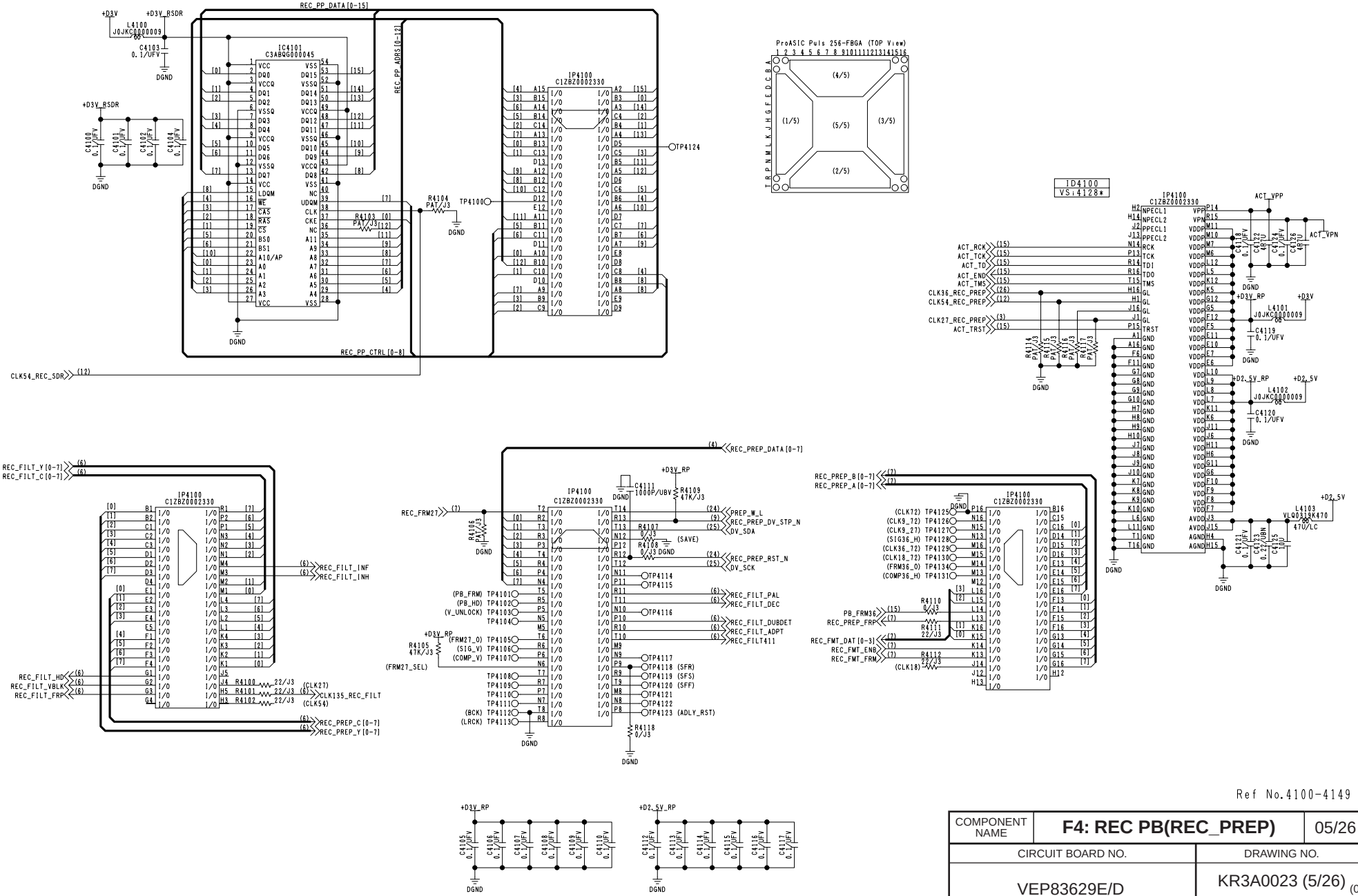


Ref No. 3050-3108

COMPONENT NAME	F4: REC PB(PLL/VCO)	03/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (3/26) (0)
		SCM076

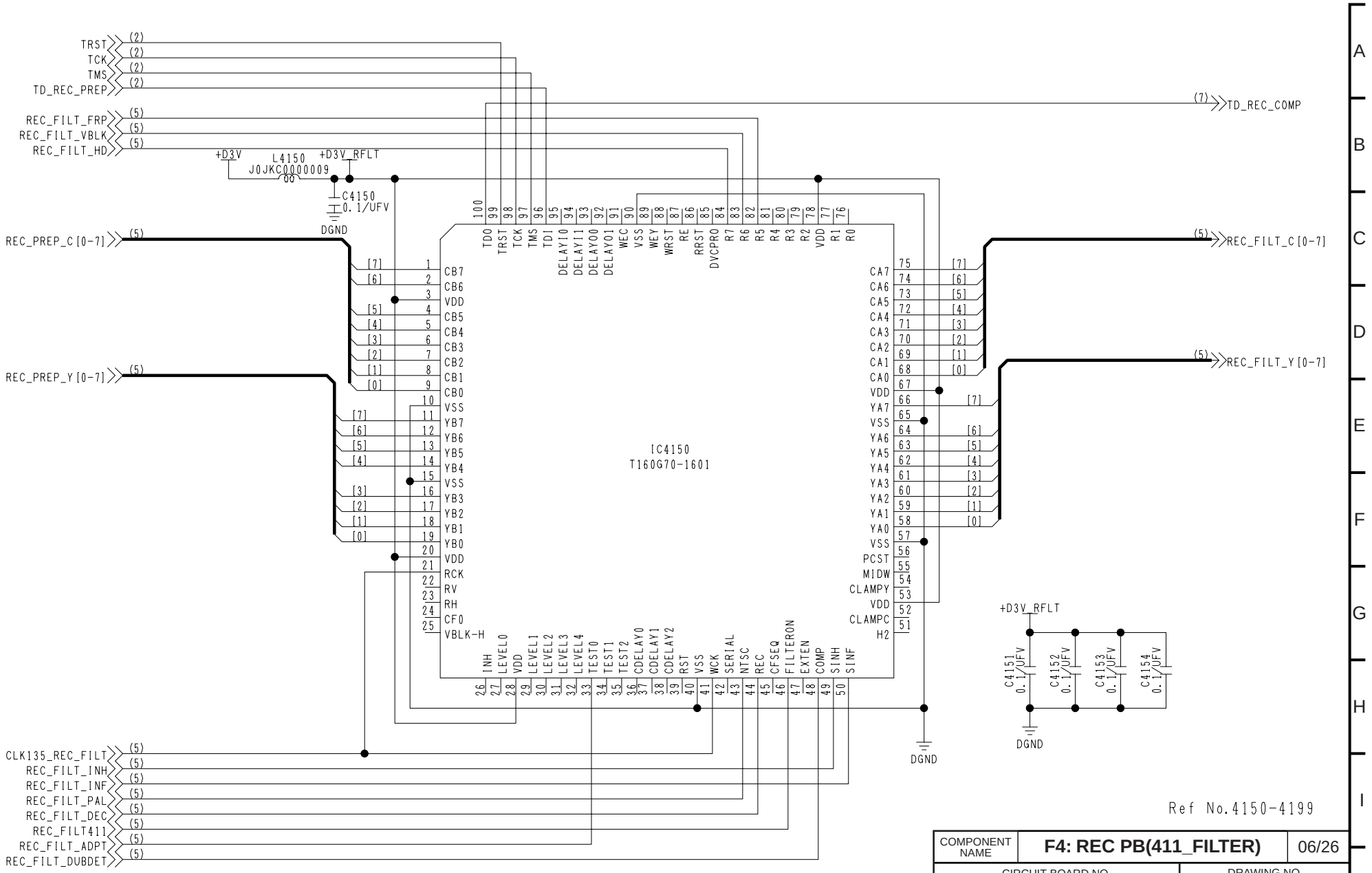


COMPONENT NAME	**F4: REC PB(IO_PROC [IO, VBLK])**	04/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629E/D	KR3A0023 (4/26) (0)	
	SCM077	



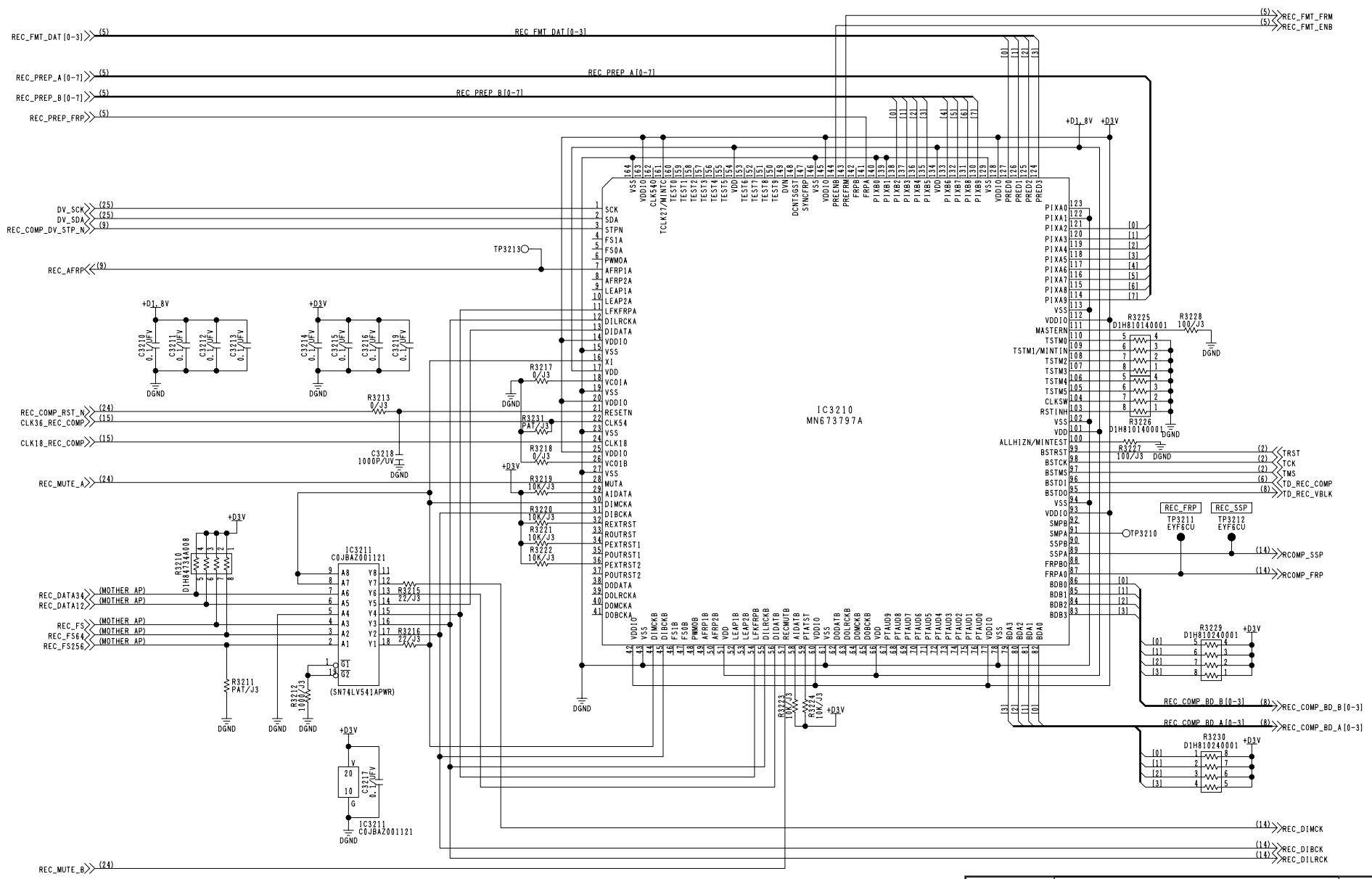
Ref No.4100-4149

COMPONENT NAME	F4: REC PB(REC_PREP)	05/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629E/D	KR3A0023 (5/26) (0)	
	SCM078	



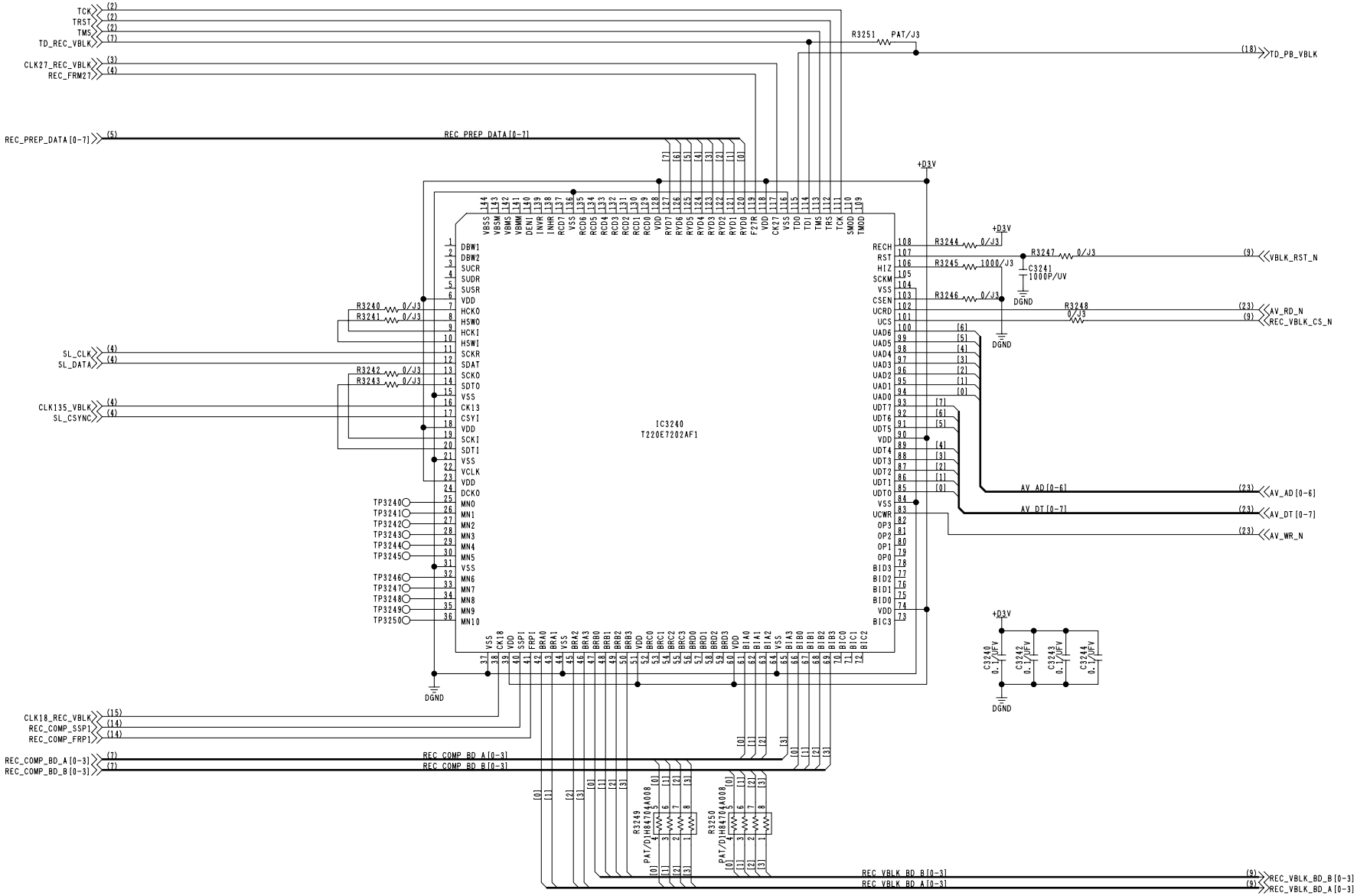
Ref No.4150-4199

COMPONENT NAME	F4: REC PB(411_FILTER)	06/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (6/26) (0)
		SCM079



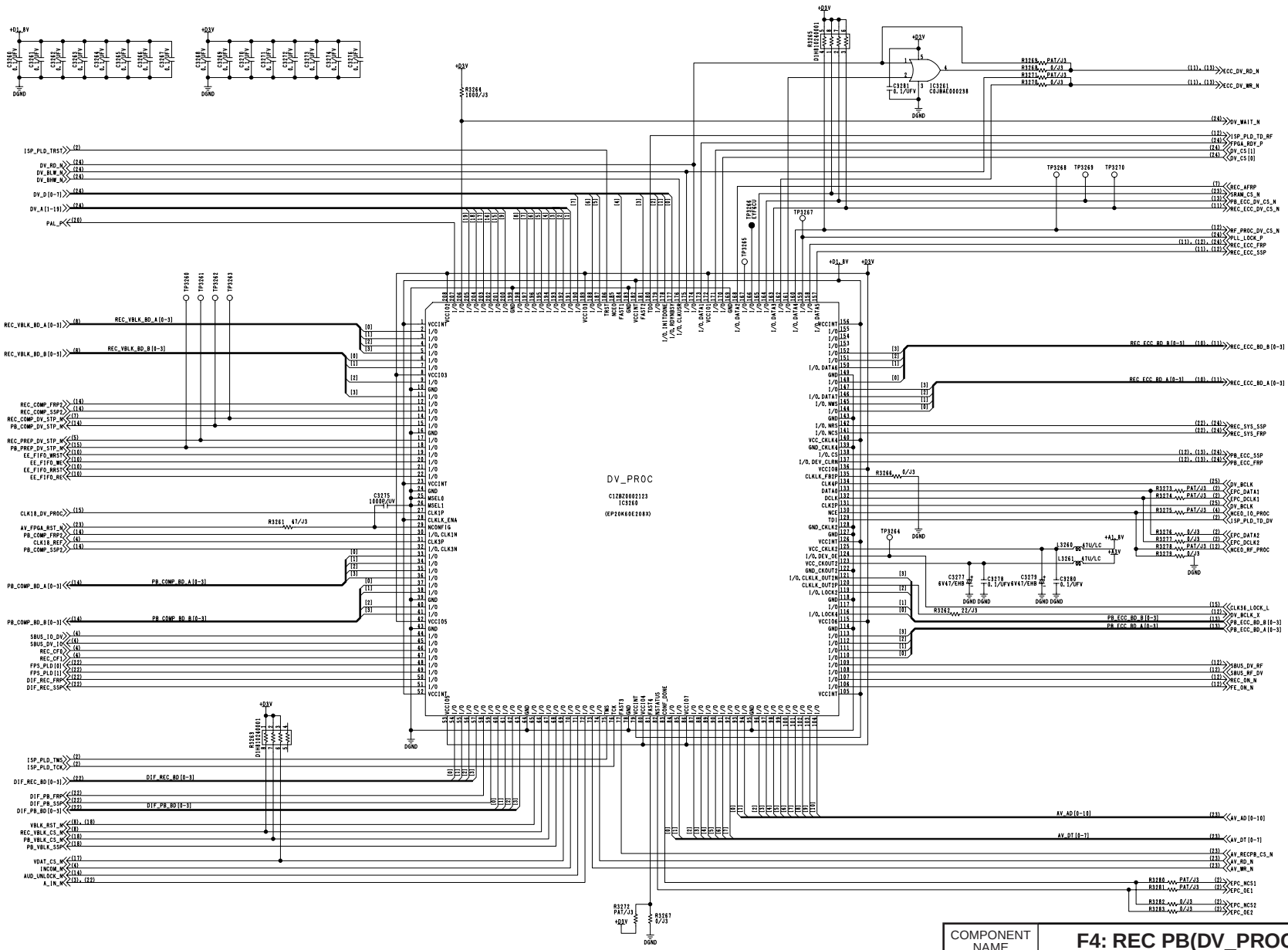
Ref No. 3210-3233

COMPONENT NAME	F4: REC PB(REC_COMP)	07/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (7/26) (0)
		SCM080

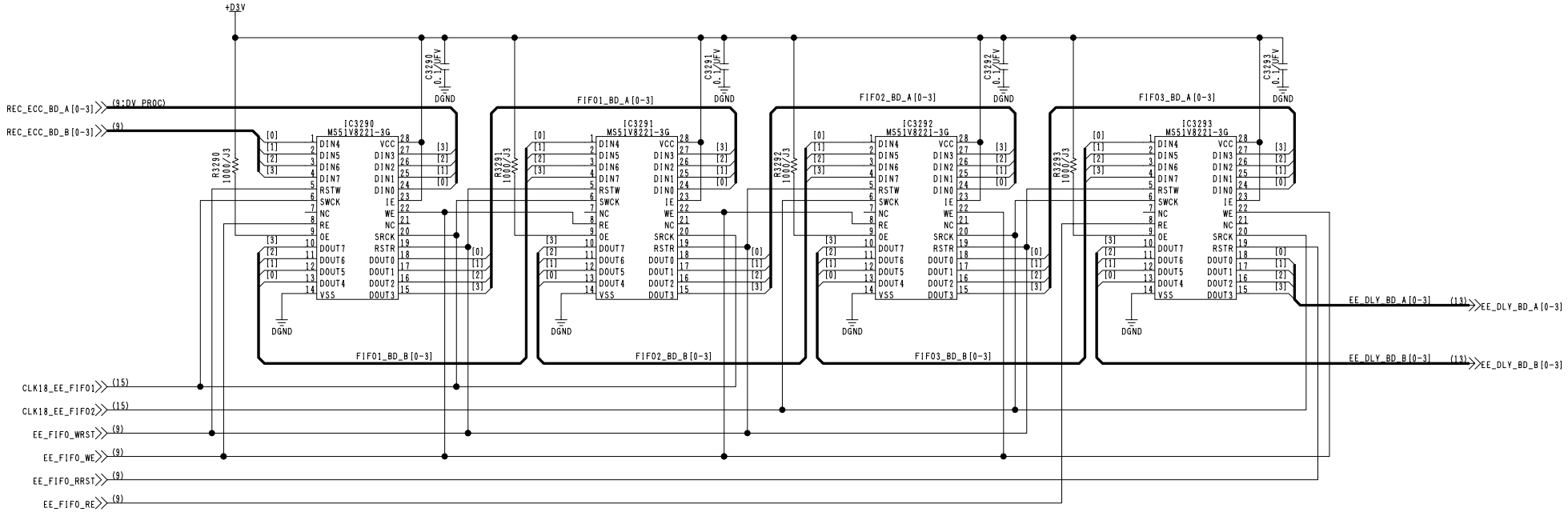


COMPONENT NAME	F4: REC PB(REC_VBLK)	08/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (8/26) (0)
		SCM081

Ref No. 3240-3250

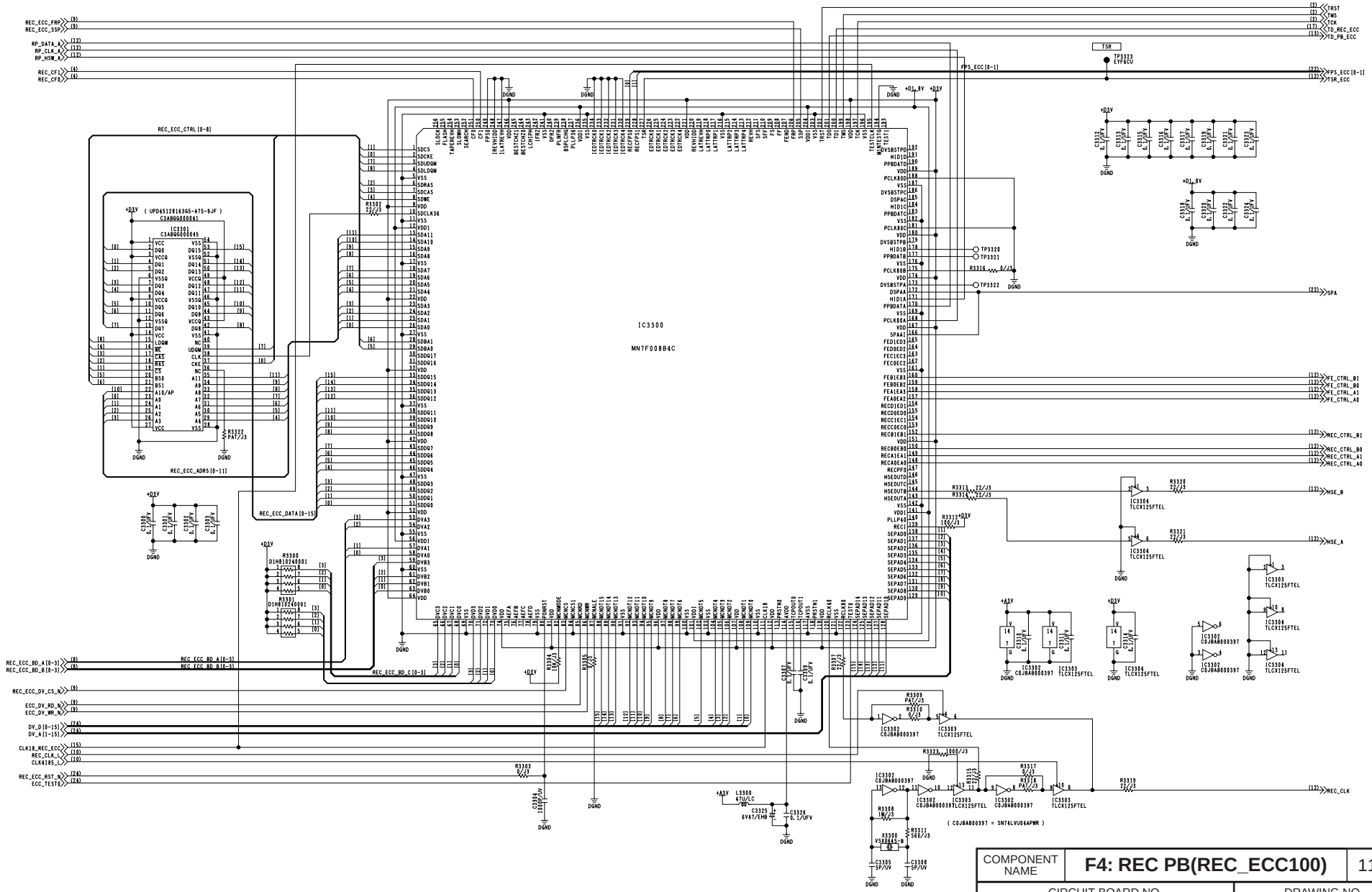


COMPONENT NAME	**F4: REC PB(DV_PROC)**	09/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (9/26) (0)
		SCM082

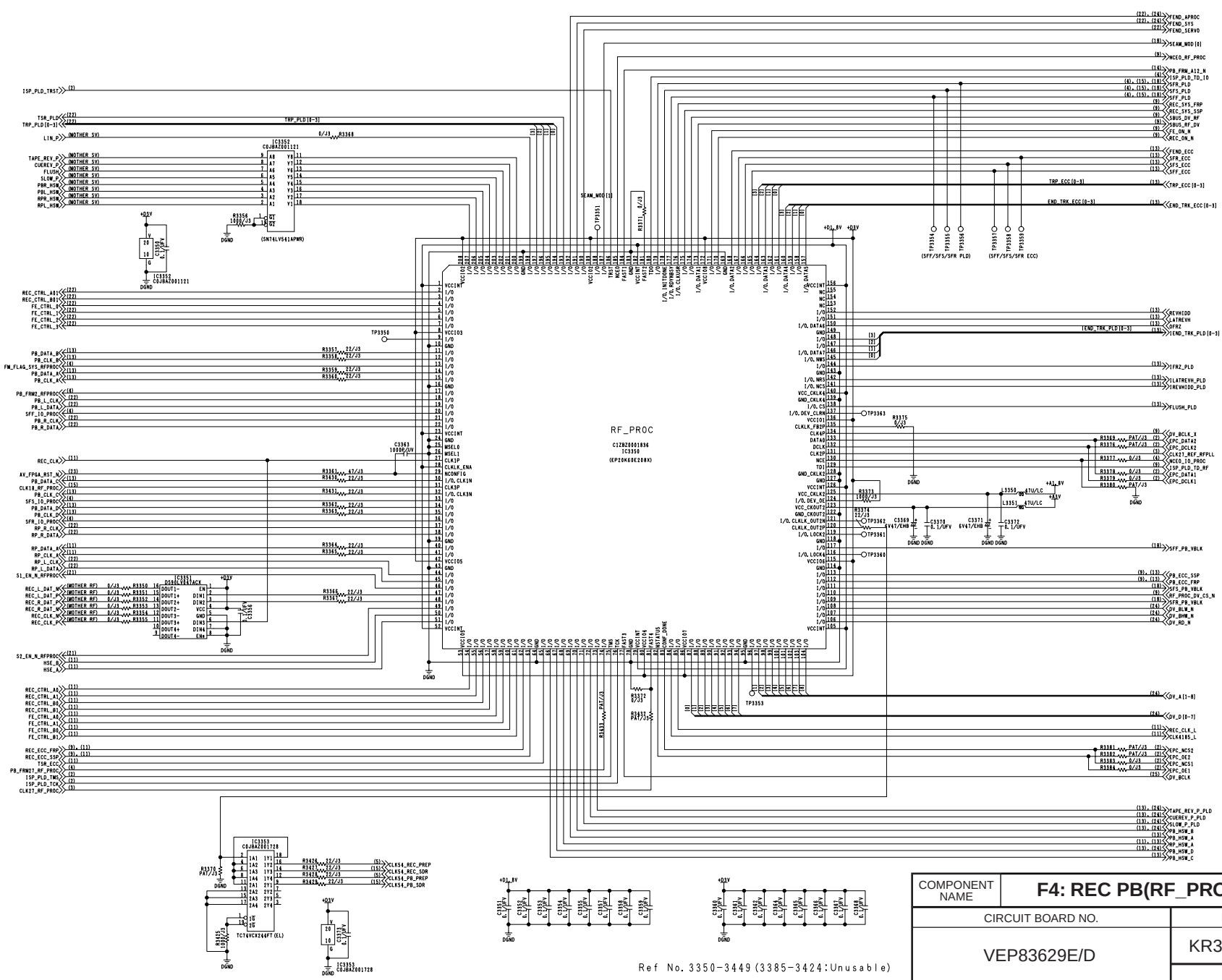


Ref No. 3290-3294

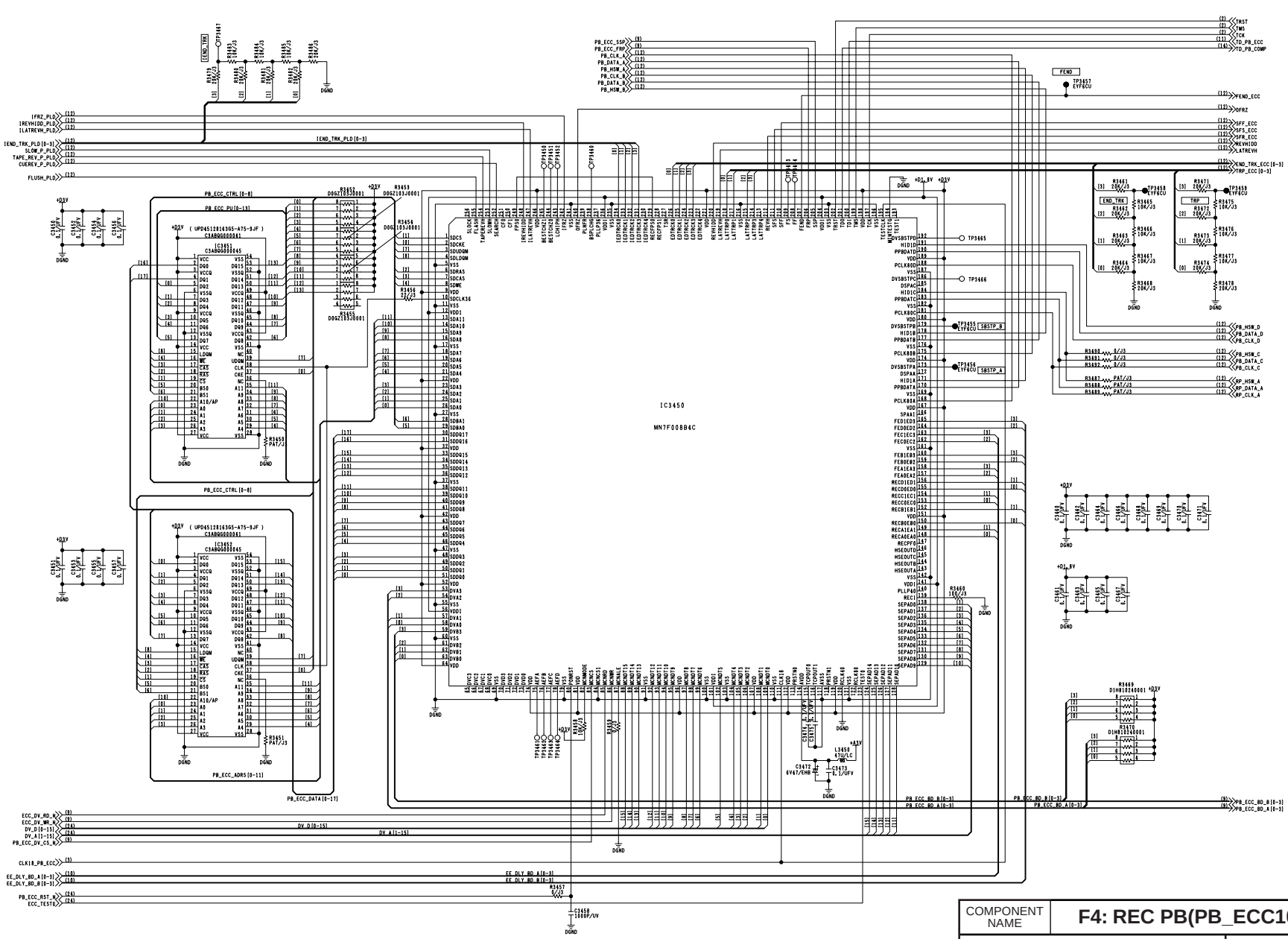
COMPONENT NAME	F4: REC PB(DVBUS_EE_FIFO)	10/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (10/26)(0)
		SCM083



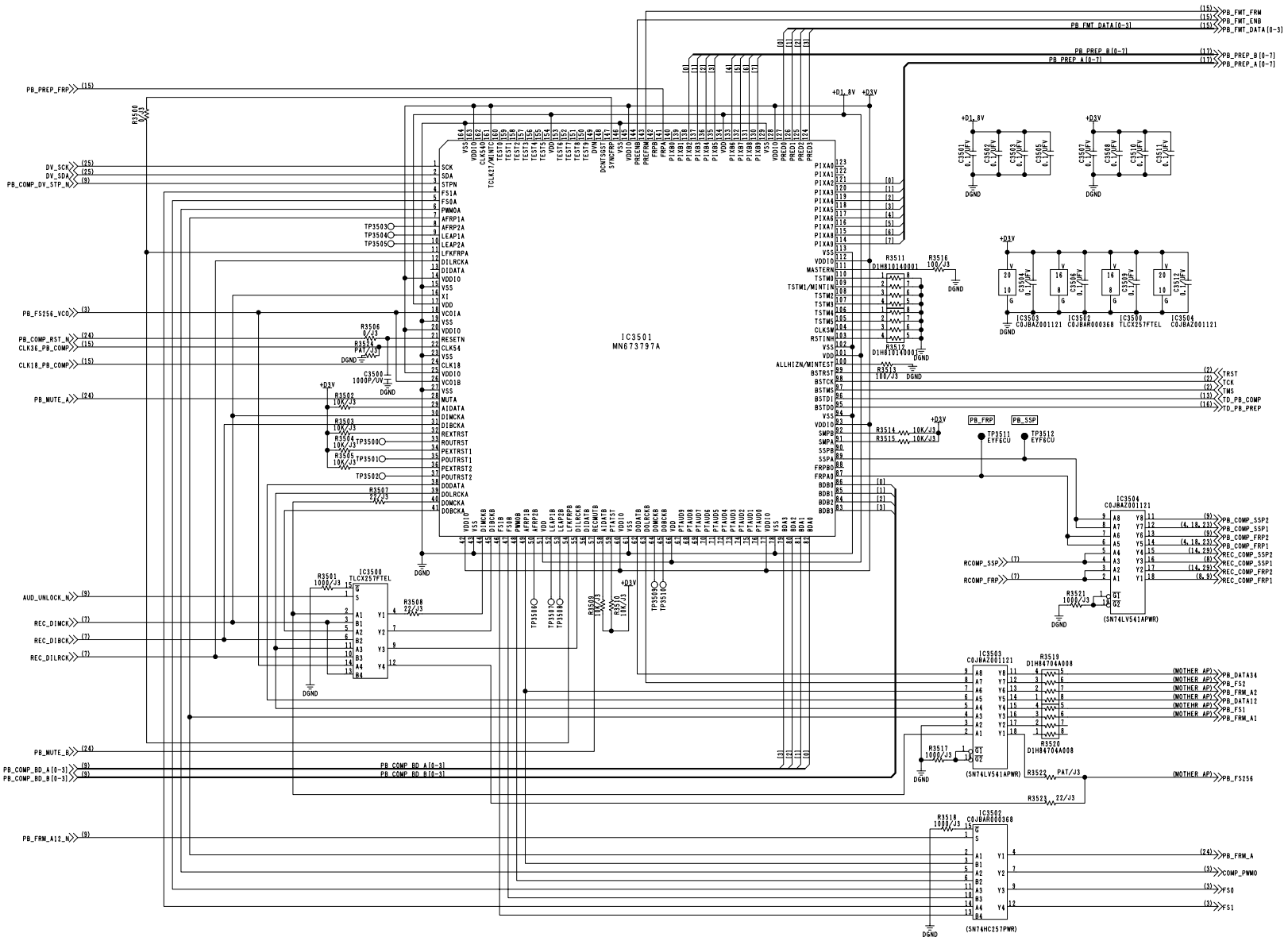
COMPONENT NAME	F4: REC PB(REC_ECC100)	11/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (11/26)(0)
		SCM084



COMPONENT NAME	**F4: REC PB(RF_PROC)**	12/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629E/D	KR3A0023 (12/26)(0)	
	SCM085	

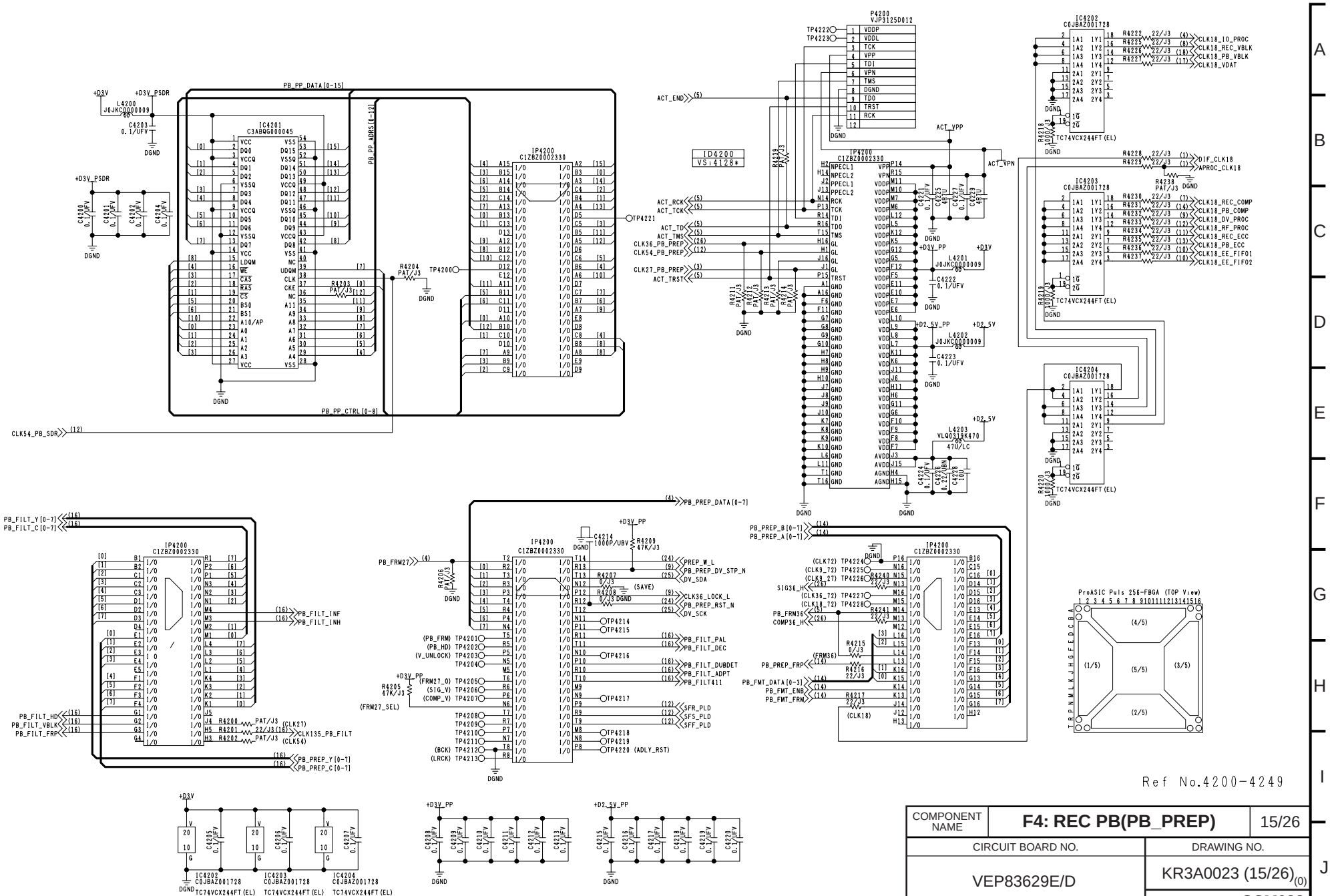


COMPONENT NAME	**F4: REC PB(PB_ECC100)**	13/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629E/D	KR3A0023 (13/26)$_{(0)}$	
	SCM086	

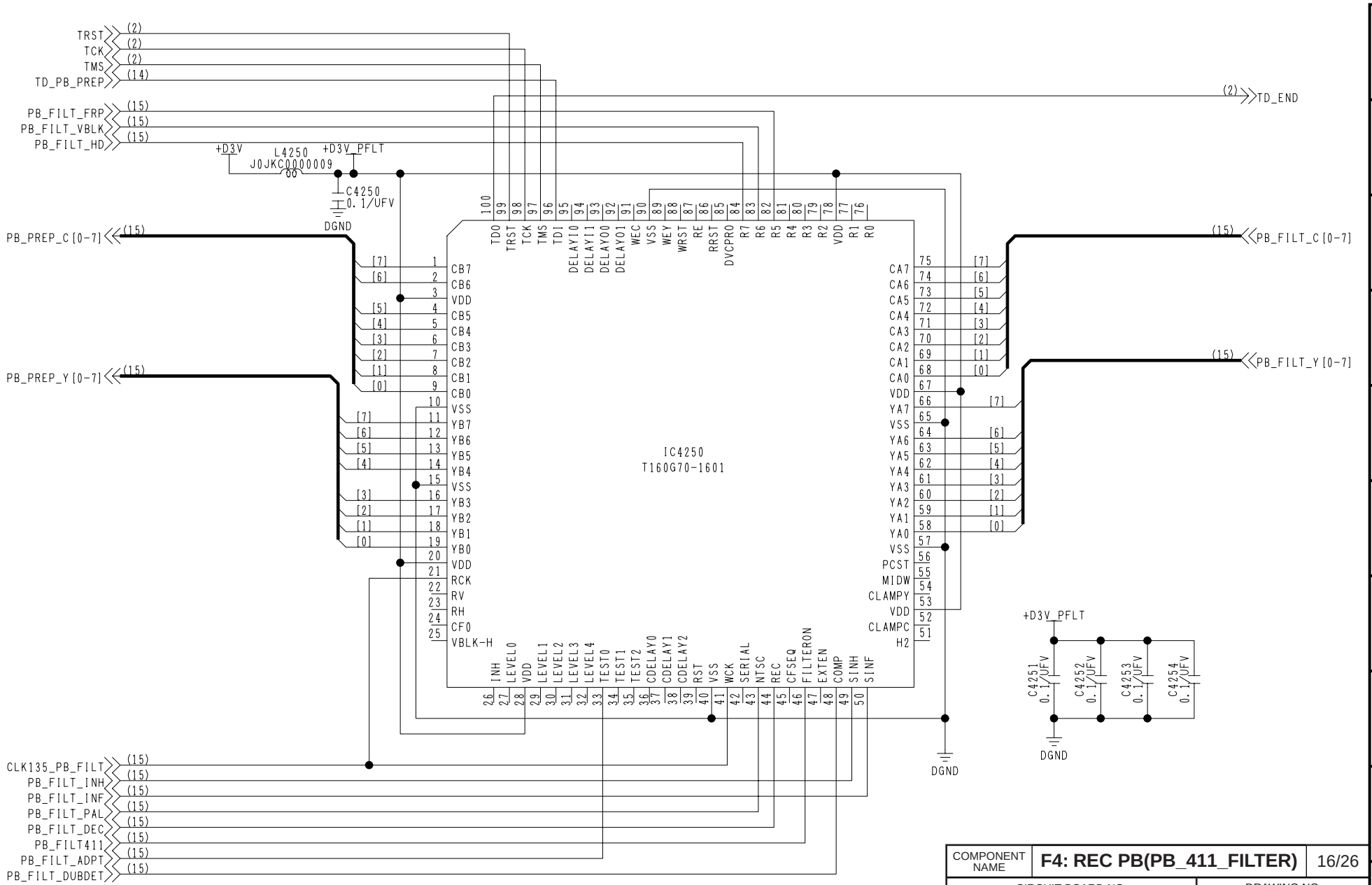


Ref No. 3500-35

COMPONENT NAME	F4: REC PB(PB_COMP)	14/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (14/26)(0)
		SCM087

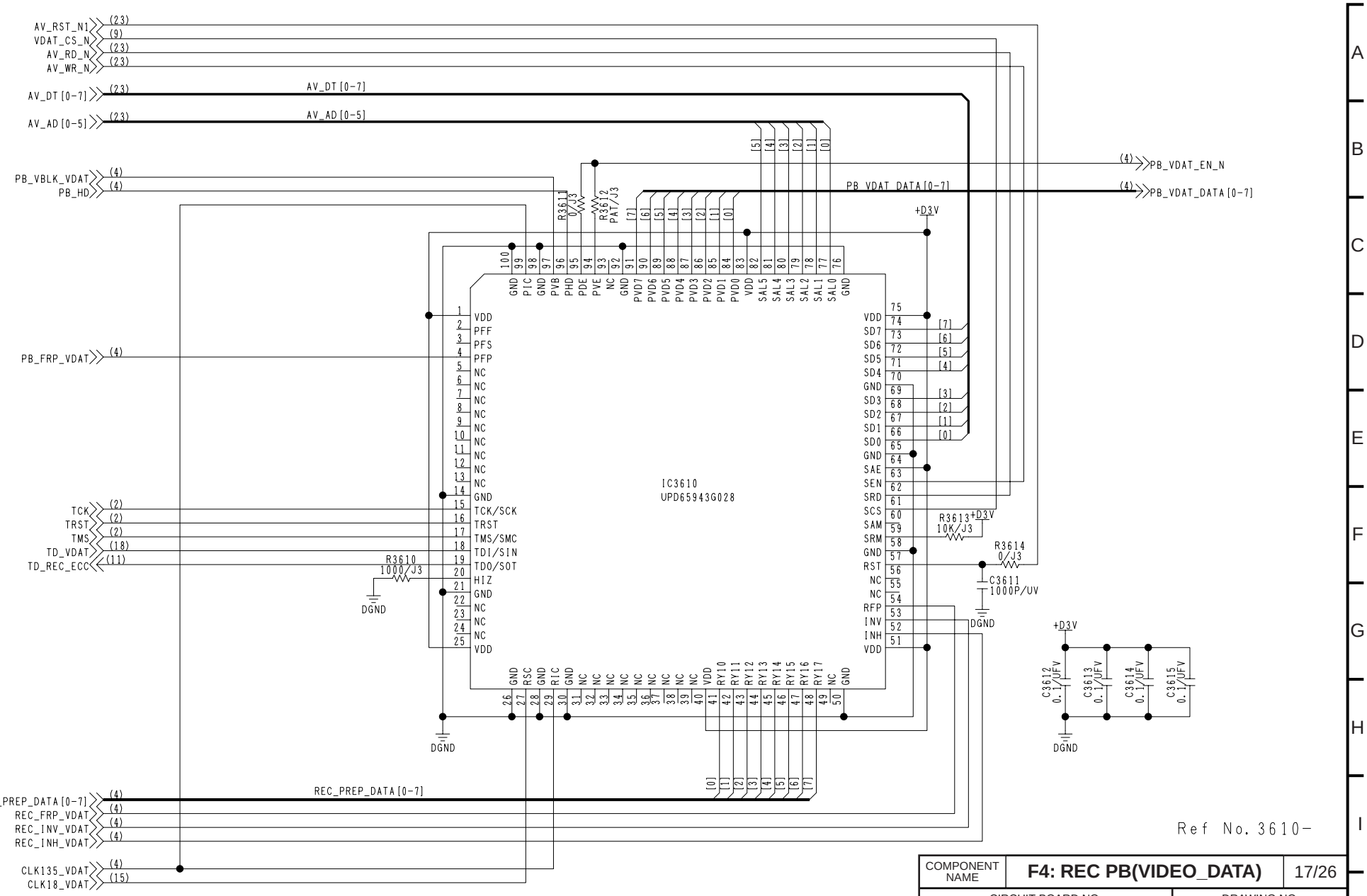


COMPONENT NAME	**F4: REC PB(PB_PREP)**	15/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (15/26)$_{(0)}$
		SCM088



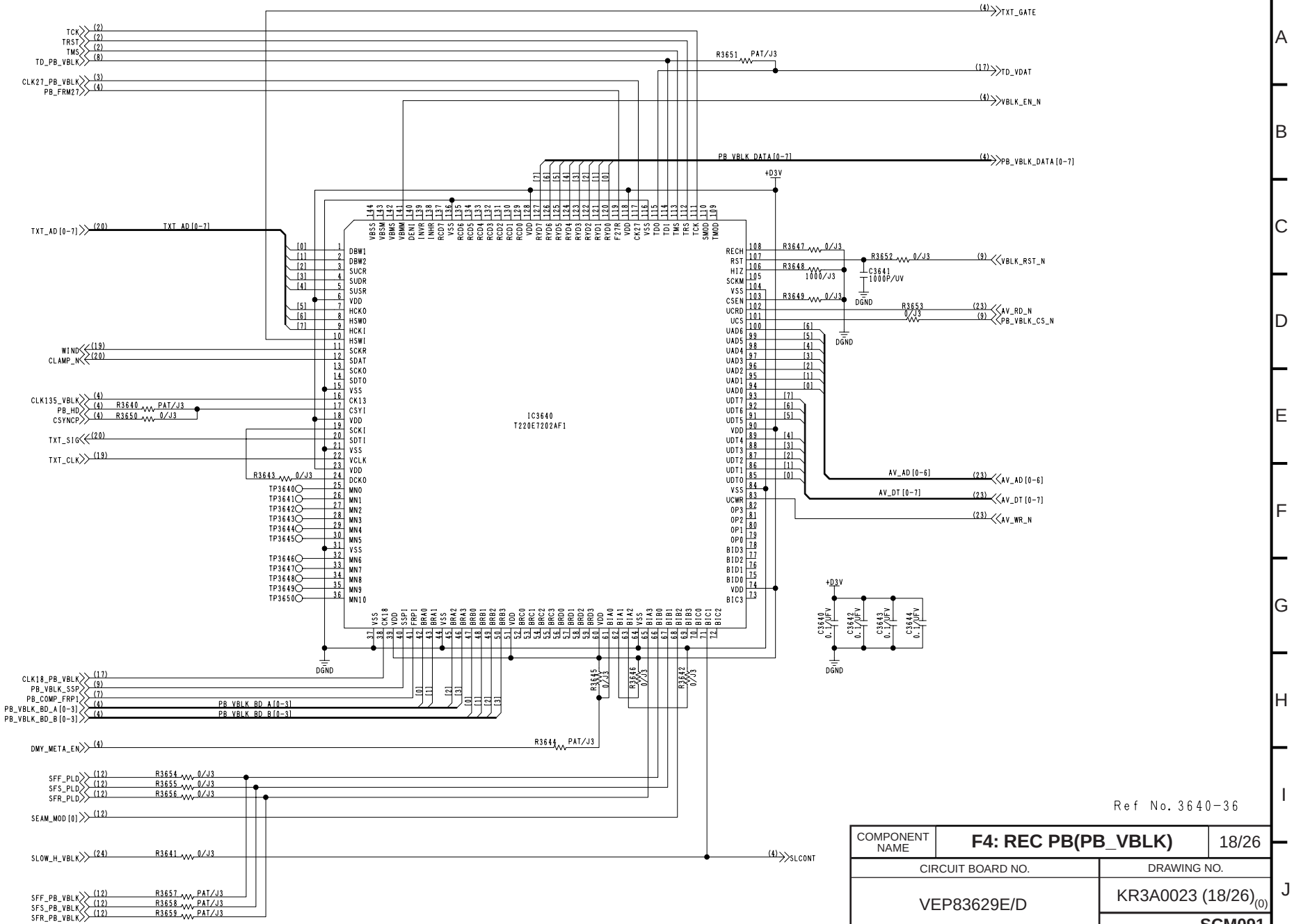
Ref No.4250-4299

COMPONENT NAME	F4: REC PB(PB_411_FILTER)	16/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (16/26)(0)
		SCM089



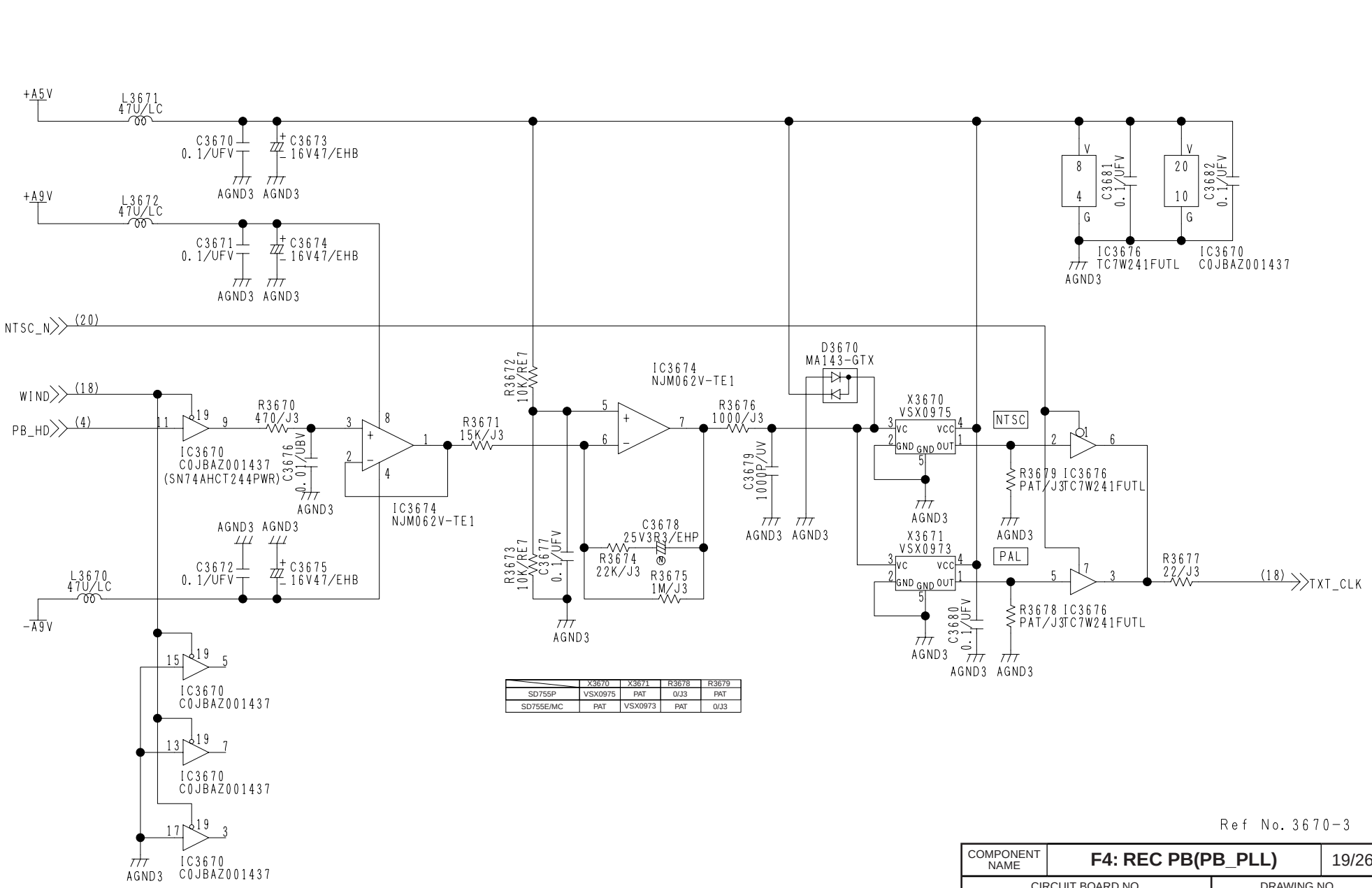
Ref No. 3610-

COMPONENT NAME	F4: REC PB(VIDEO_DATA)	17/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629E/D	KR3A0023 (17/26)(0)	
	SCM090	



Ref No. 3640-36

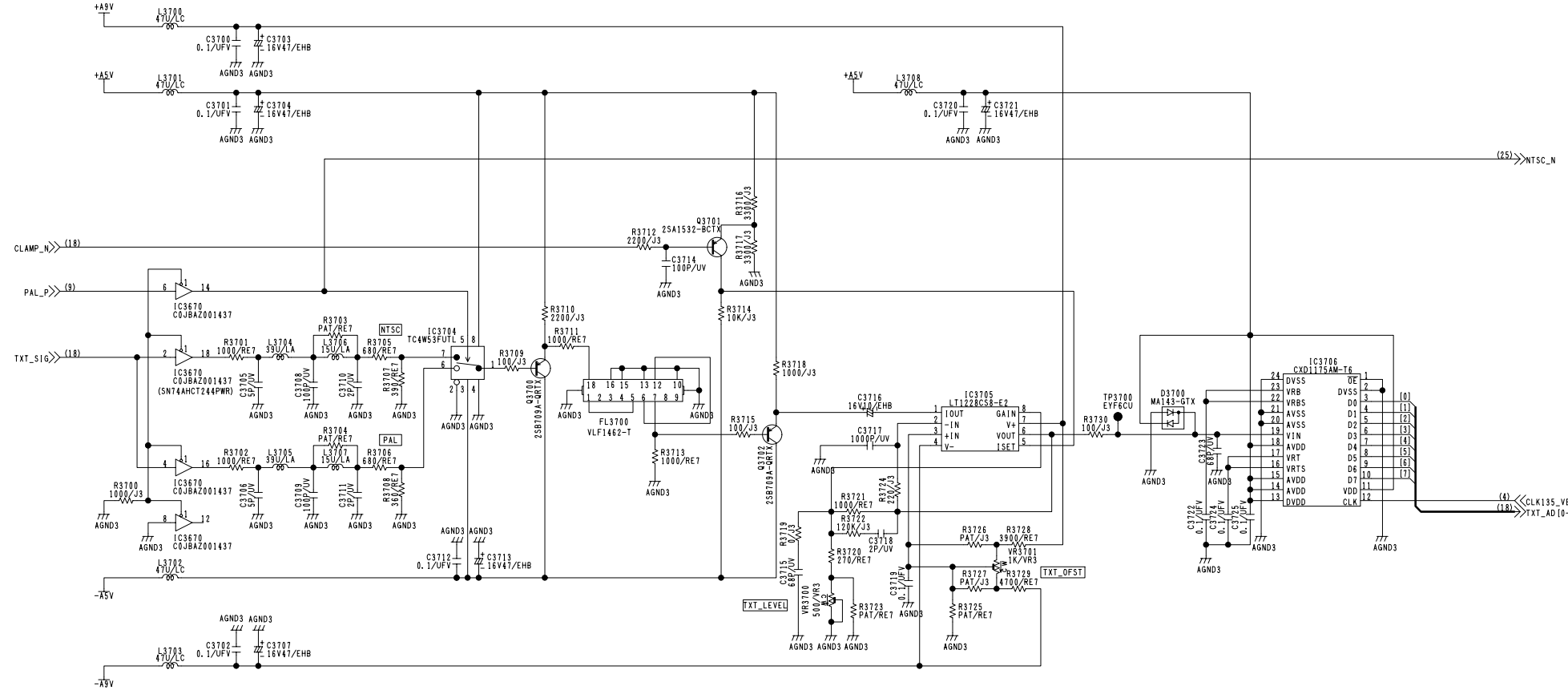
COMPONENT NAME	F4: REC PB(PB_VBLK)	18/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (18/26)(0)
		SCM091



	X3670	X3671	R3678	R3679
SD755P	VSX0975	PAT	0/J3	PAT
SD755E/MC	PAT	VSX0973	PAT	0/J3

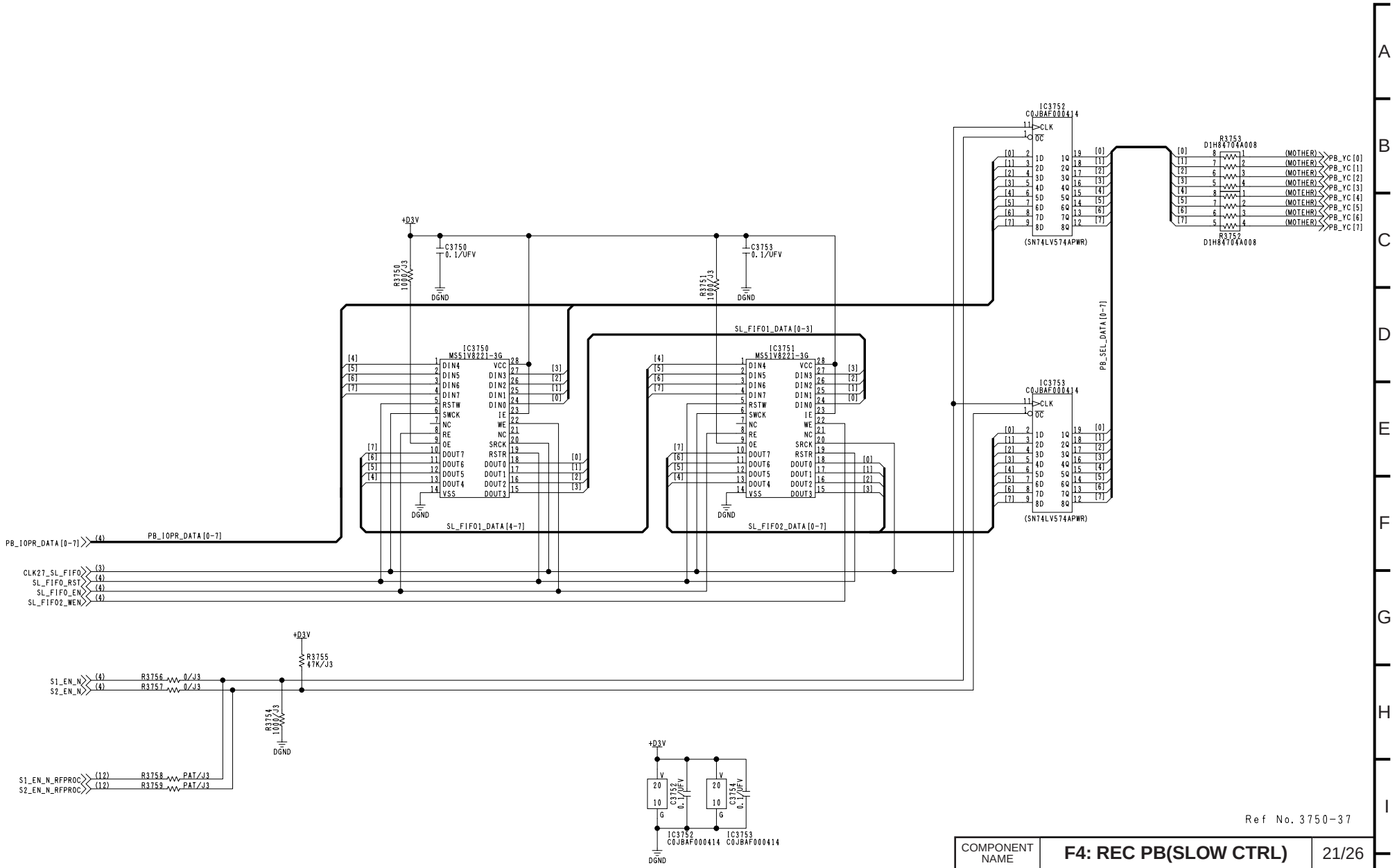
Ref No. 3670-3

COMPONENT NAME	F4: REC PB(PB_PLL)	19/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (19/26)(0)
		SCM092



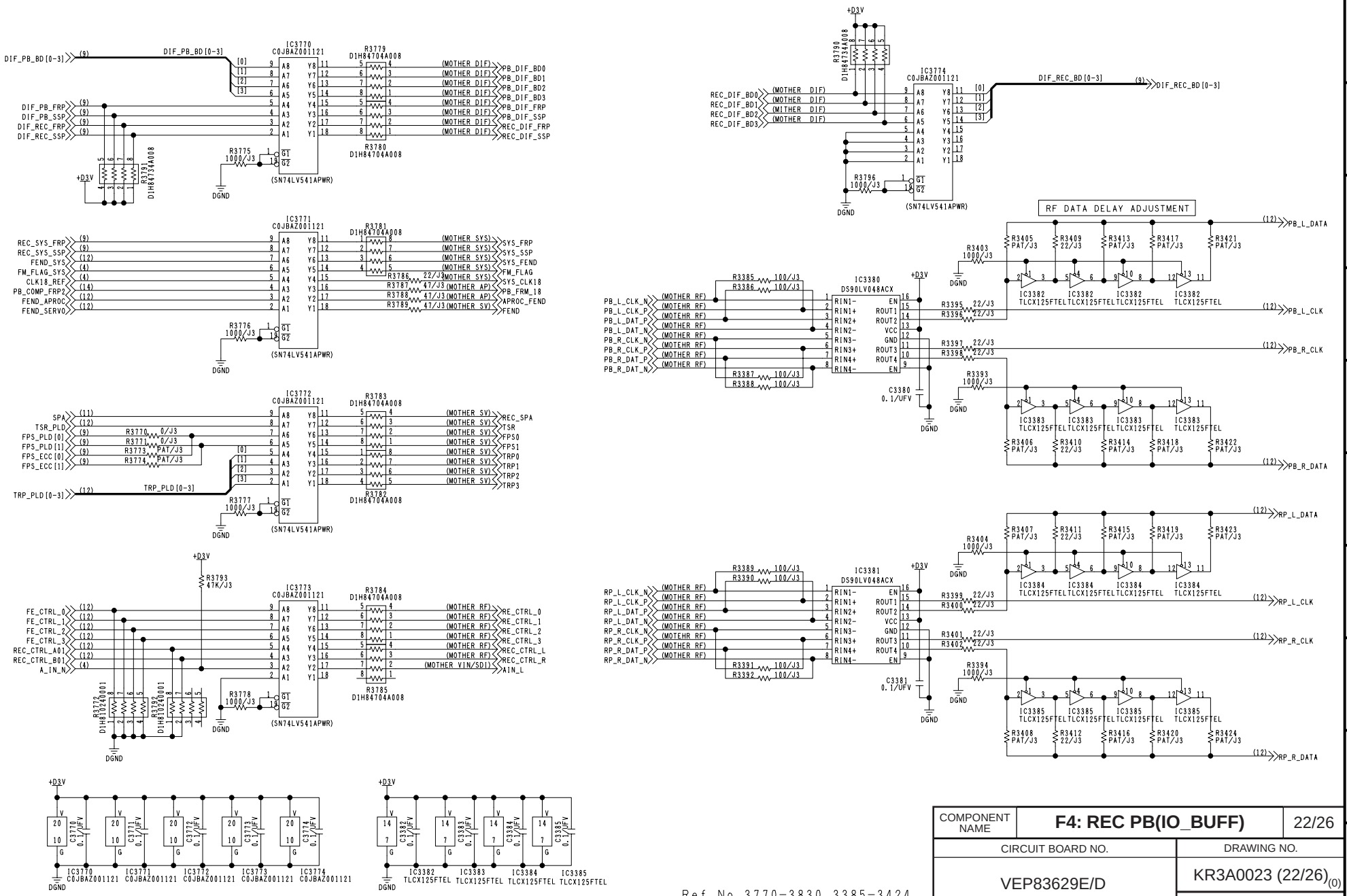
Ref No. 3700-

COMPONENT NAME	F4: REC PB(TEL_TXT)	20/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (20/26)(0)
		SCM093

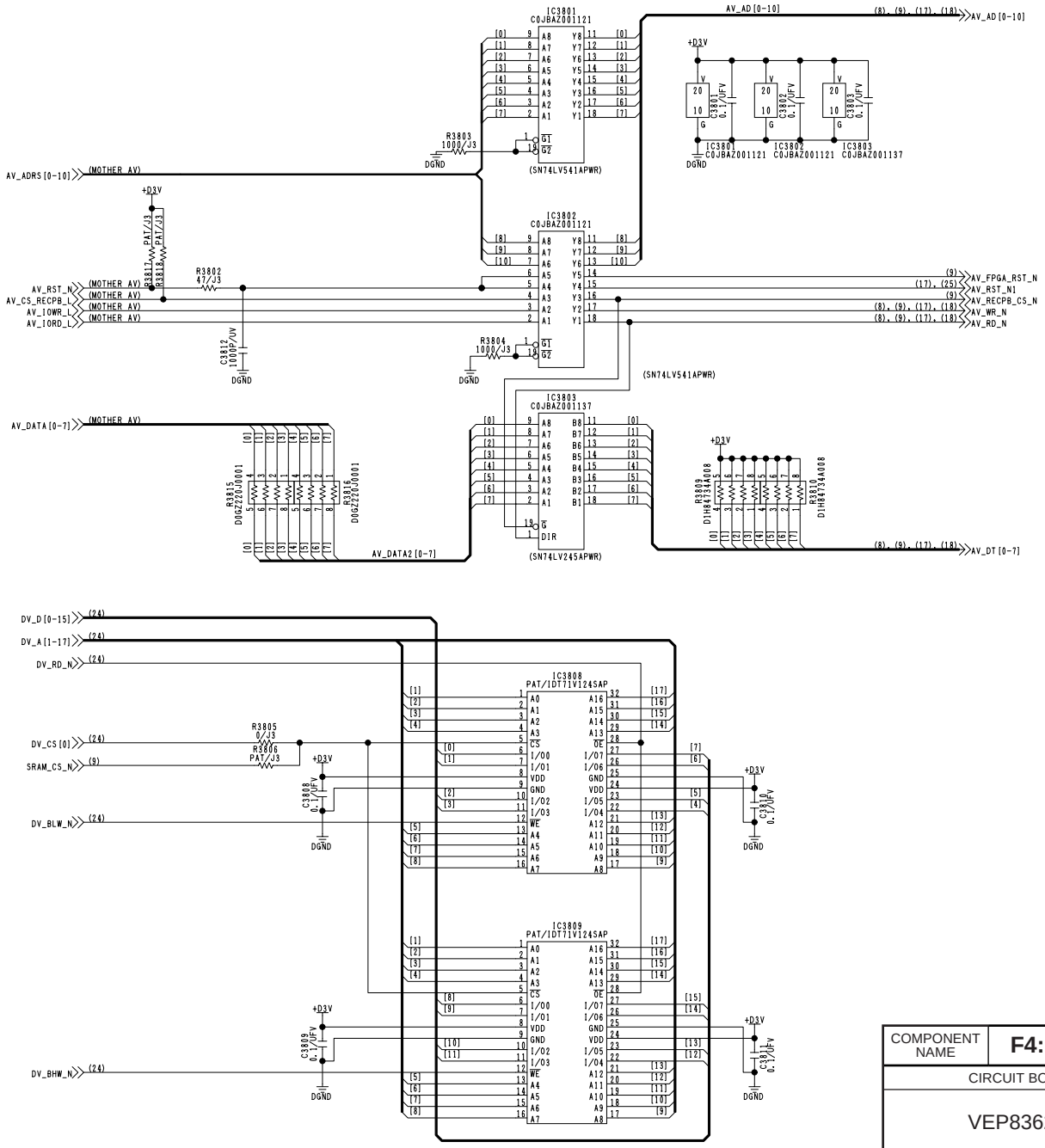


Ref No. 3750-37

COMPONENT NAME	F4: REC PB(SLOW CTRL)	21/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (21/26)(0)
		SCM094

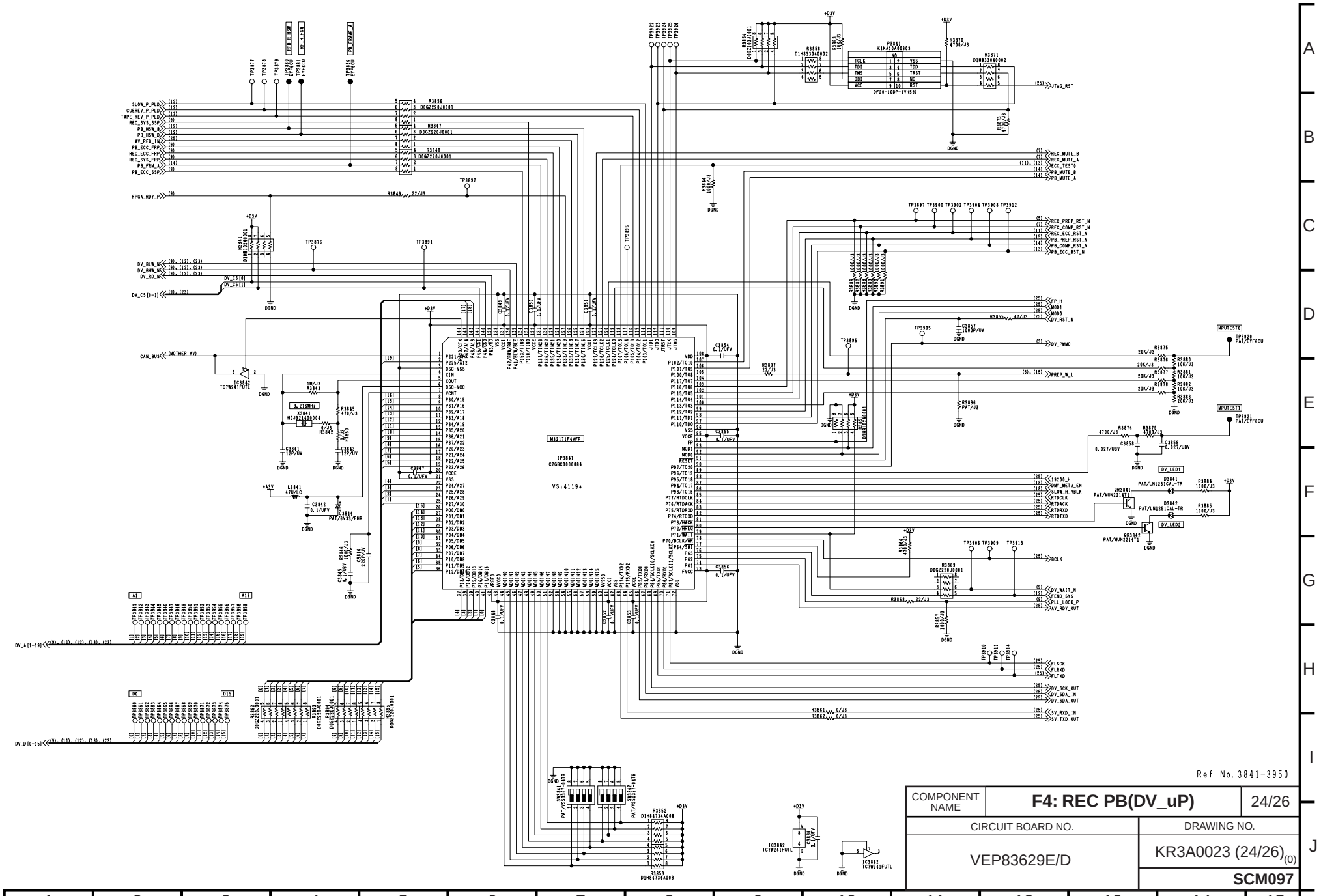


COMPONENT NAME	**F4: REC PB(IO_BUFF)**	22/26
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83629E/D	KR3A0023 (22/26)(0)	
	SCM095	



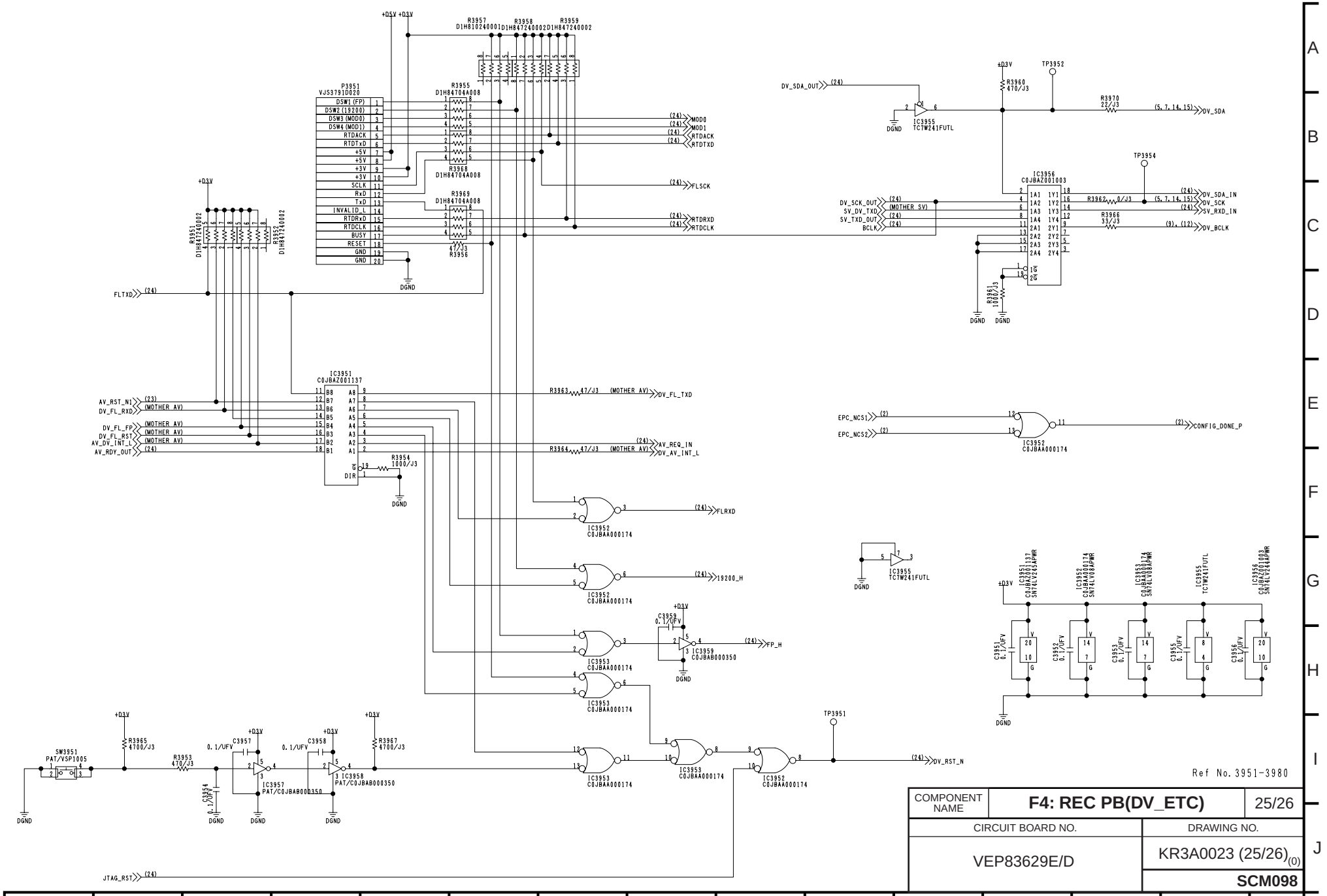
Ref No. 3801-3840

COMPONENT NAME	F4: REC PB(MPU_BUS_I/F)	23/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (23/26)$_{(0)}$
		SCM096

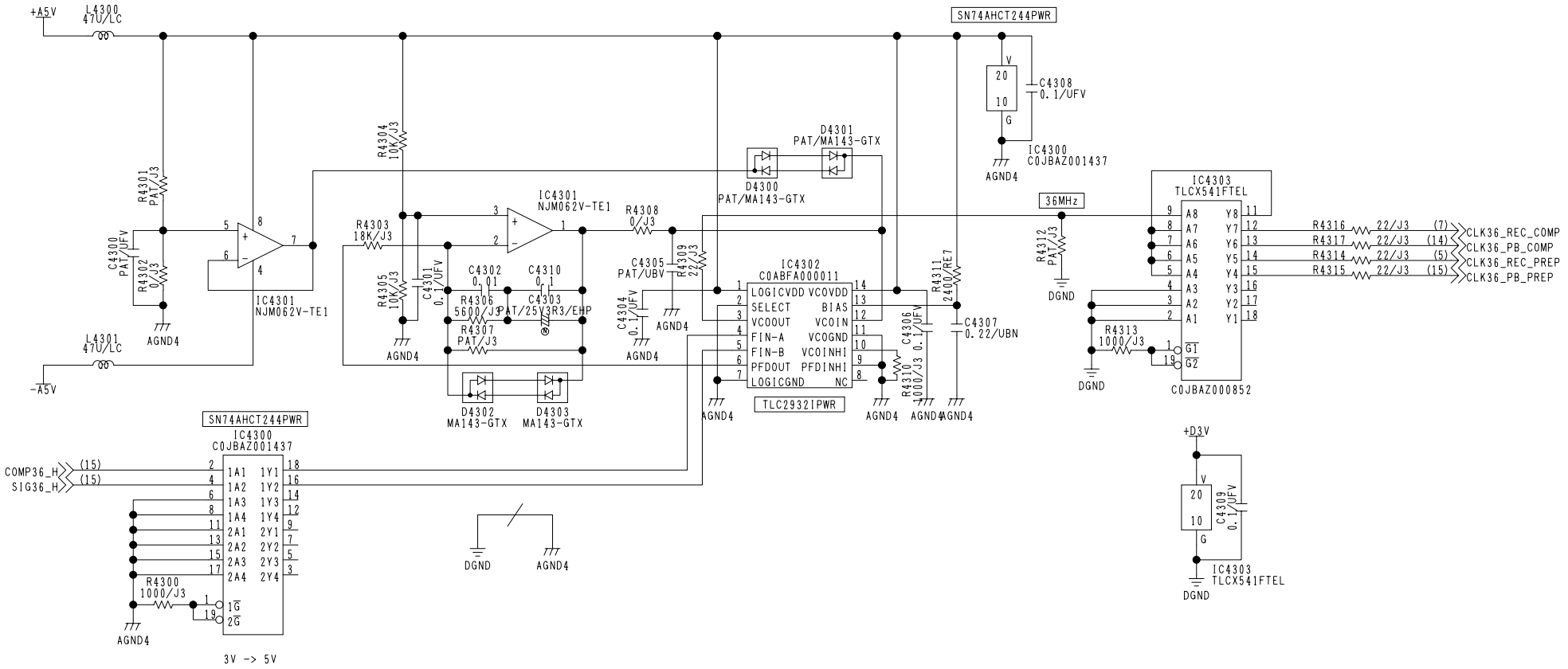


Ref No. 3841-3950

COMPONENT NAME	F4: REC PB(DV_uP)	24/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (24/26)(0)
		SCM097

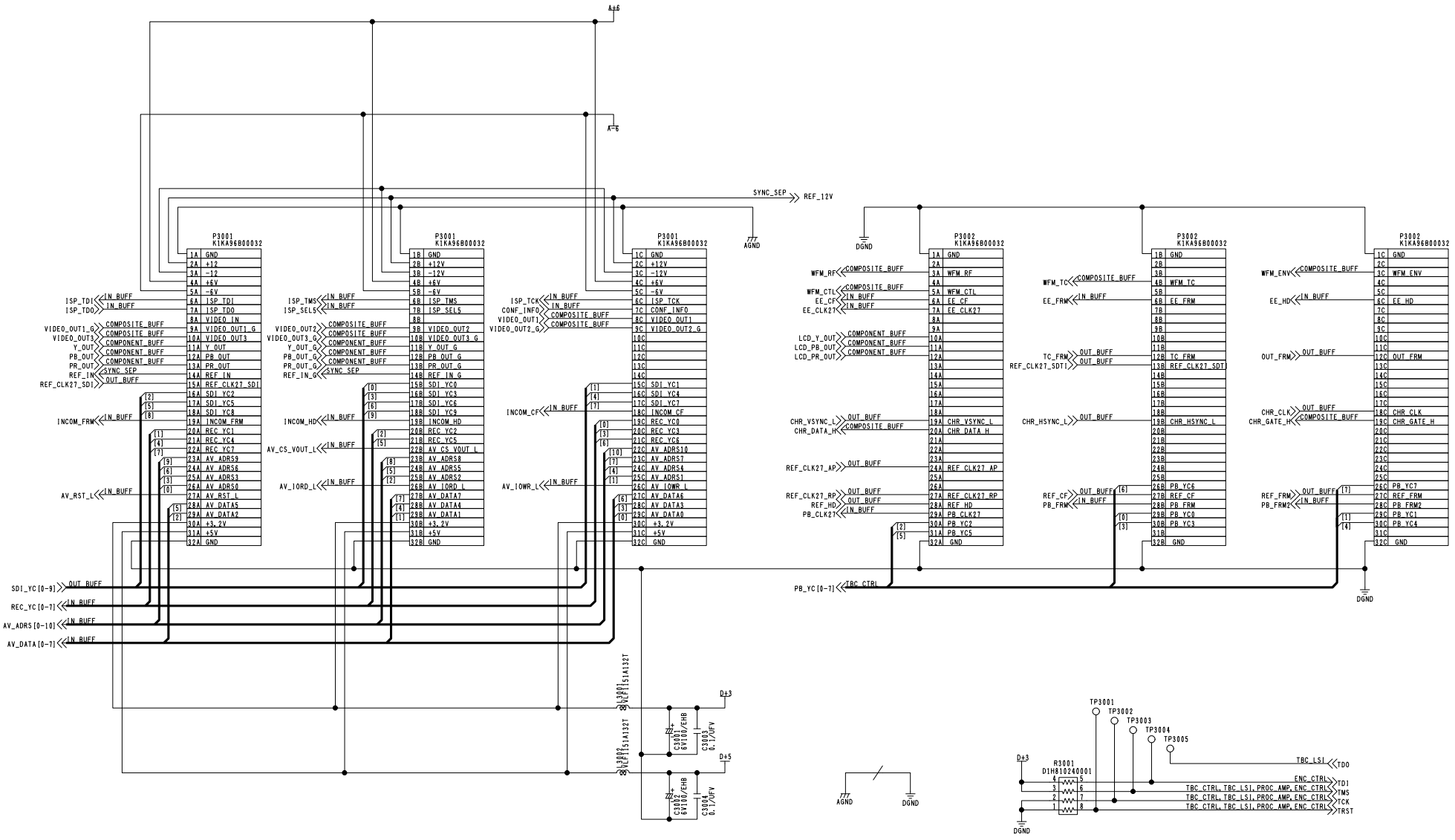


COMPONENT NAME	F4: REC PB(DV_ETC)	25/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (25/26)(0)
		SCM098

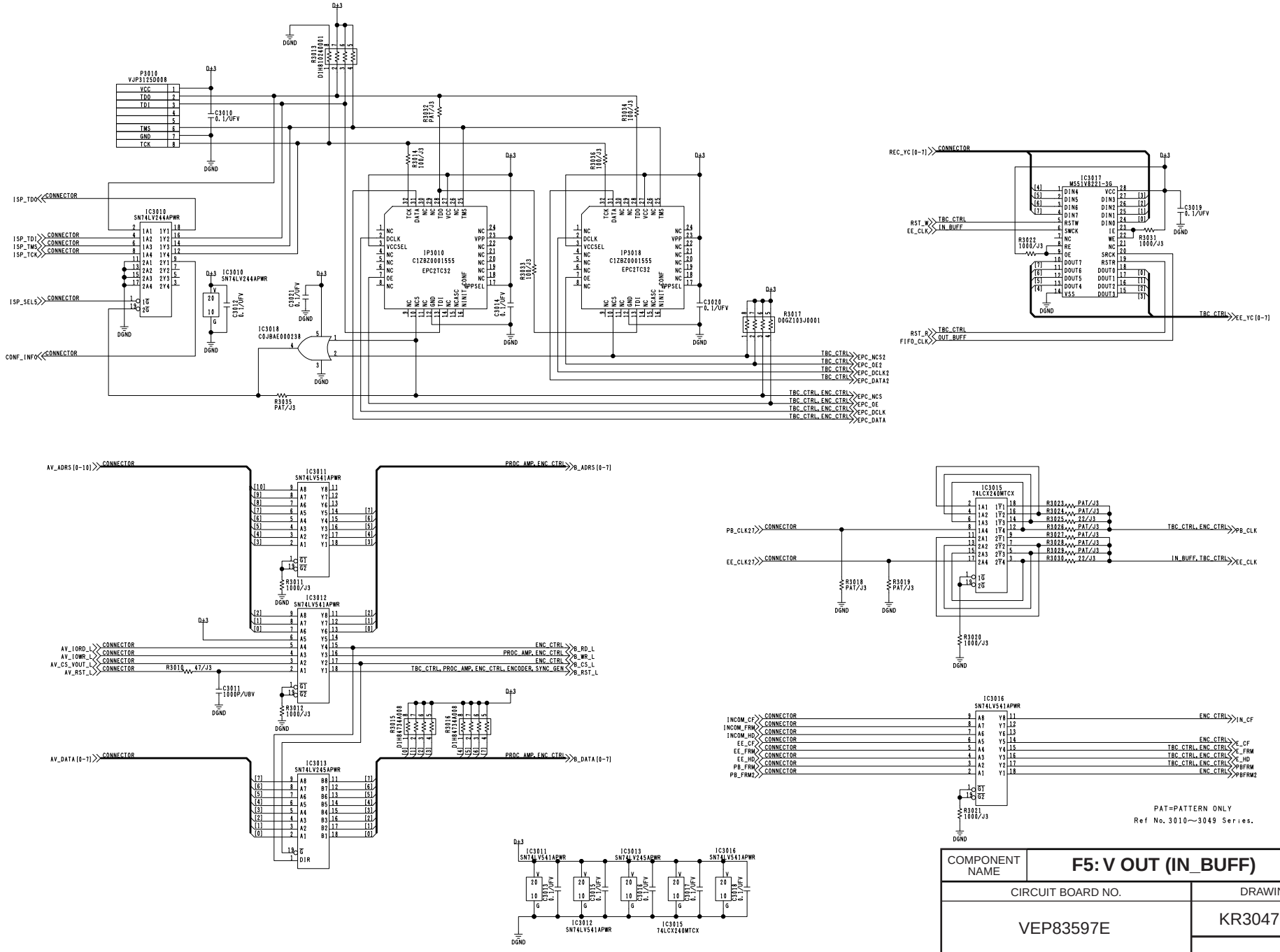


Ref No. 4300-4350

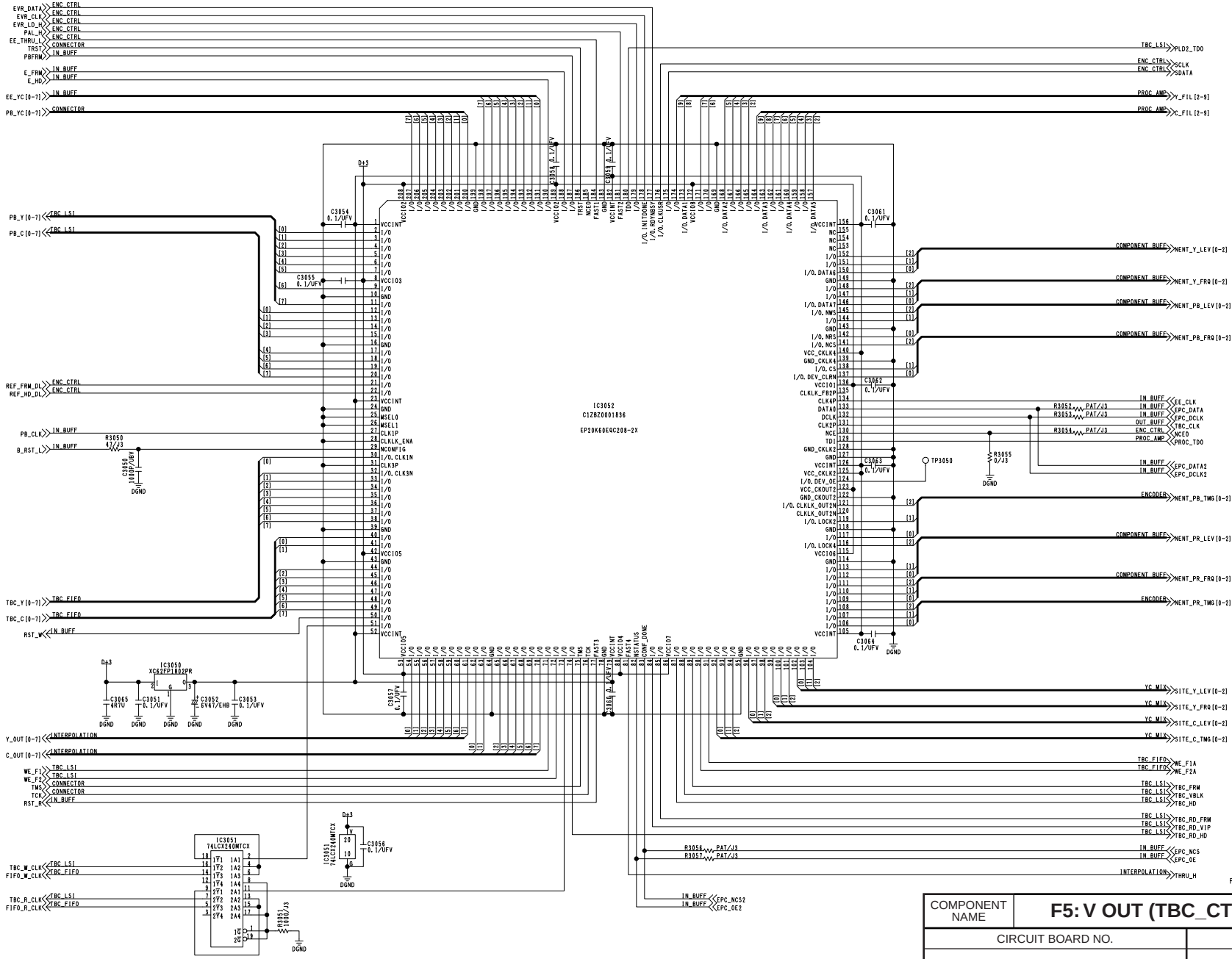
COMPONENT NAME	F4: REC PB(36M PLL)	26/26
CIRCUIT BOARD NO.		DRAWING NO.
VEP83629E/D		KR3A0023 (26/26)(0)
		SCM099



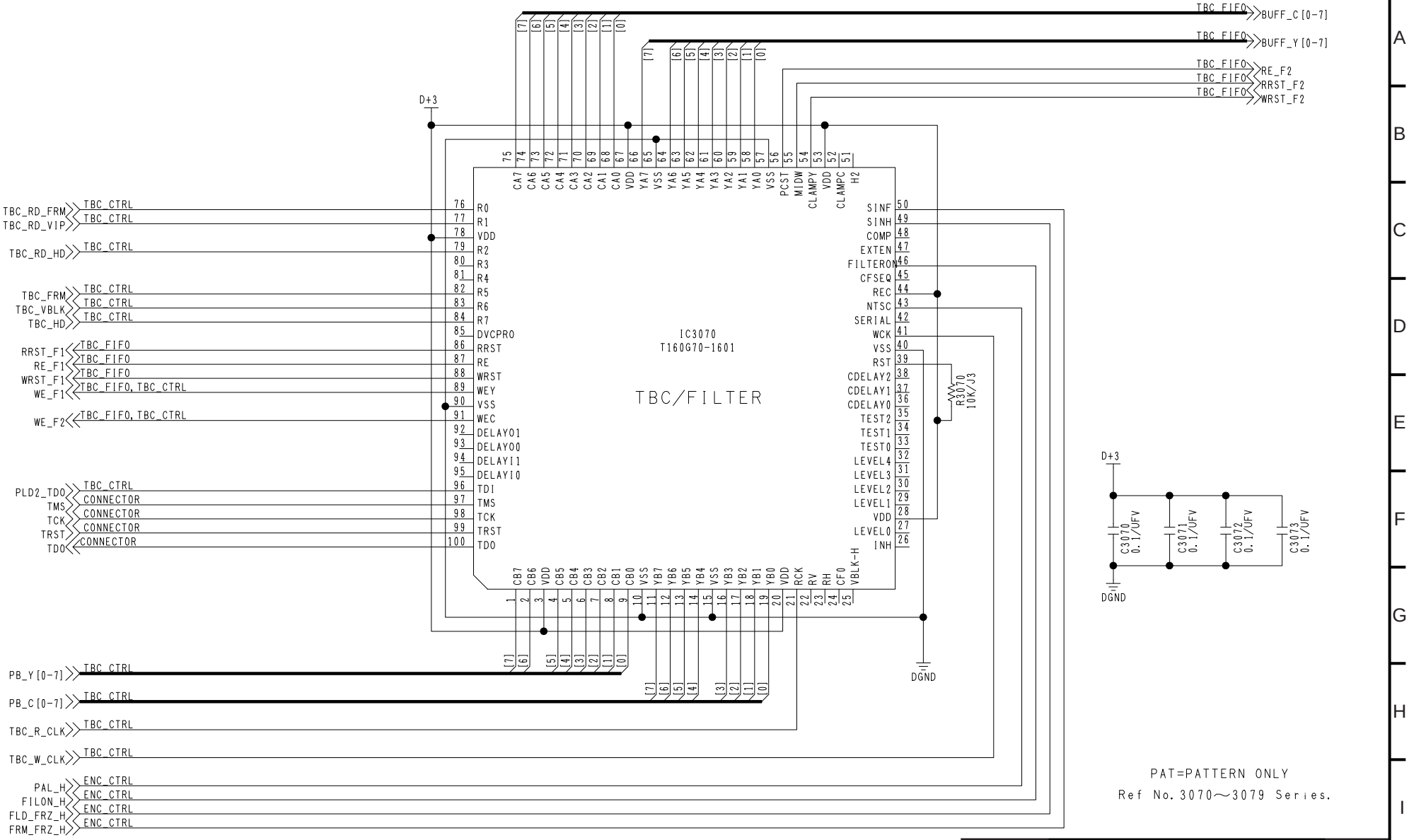
COMPONENT NAME	F5: V OUT (CONNECTOR)	01/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597E	KR30470 (1/16) (0)	
	SCM100	



COMPONENT NAME	F5: V OUT (IN_BUFF)	02/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597E	KR30470 (2/16) (0)	
	SCM101	



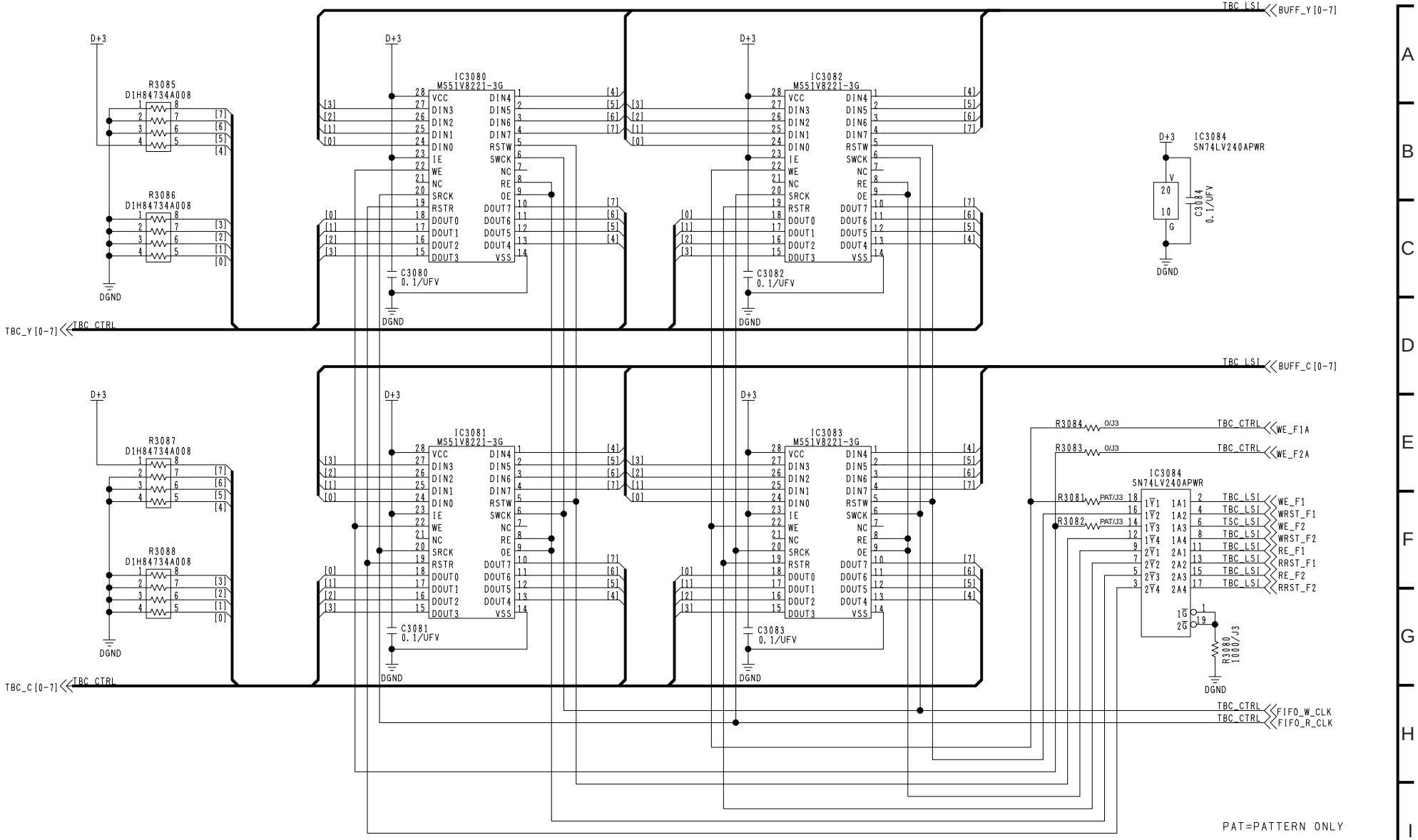
COMPONENT NAME	**F5: V OUT (TBC_CTRL)**	03/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597E	KR30470 (3/16) (0)	
	SCM102	



PAT=PATTERN ONLY

Ref No. 3070～3079 Series.

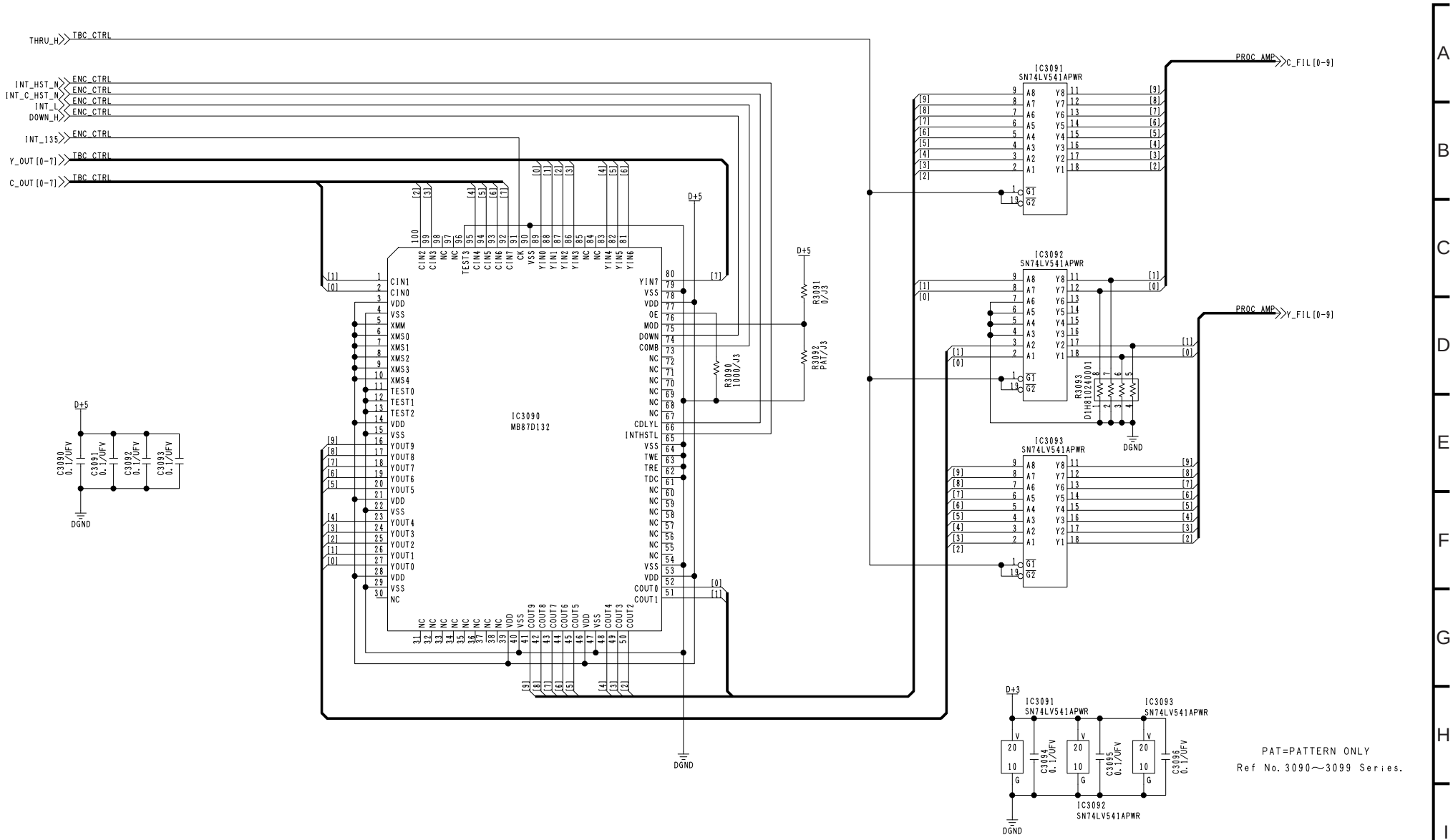
COMPONENT NAME	F5: V OUT (TBC_LSI)	04/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (4/16) (0)
		SCM103



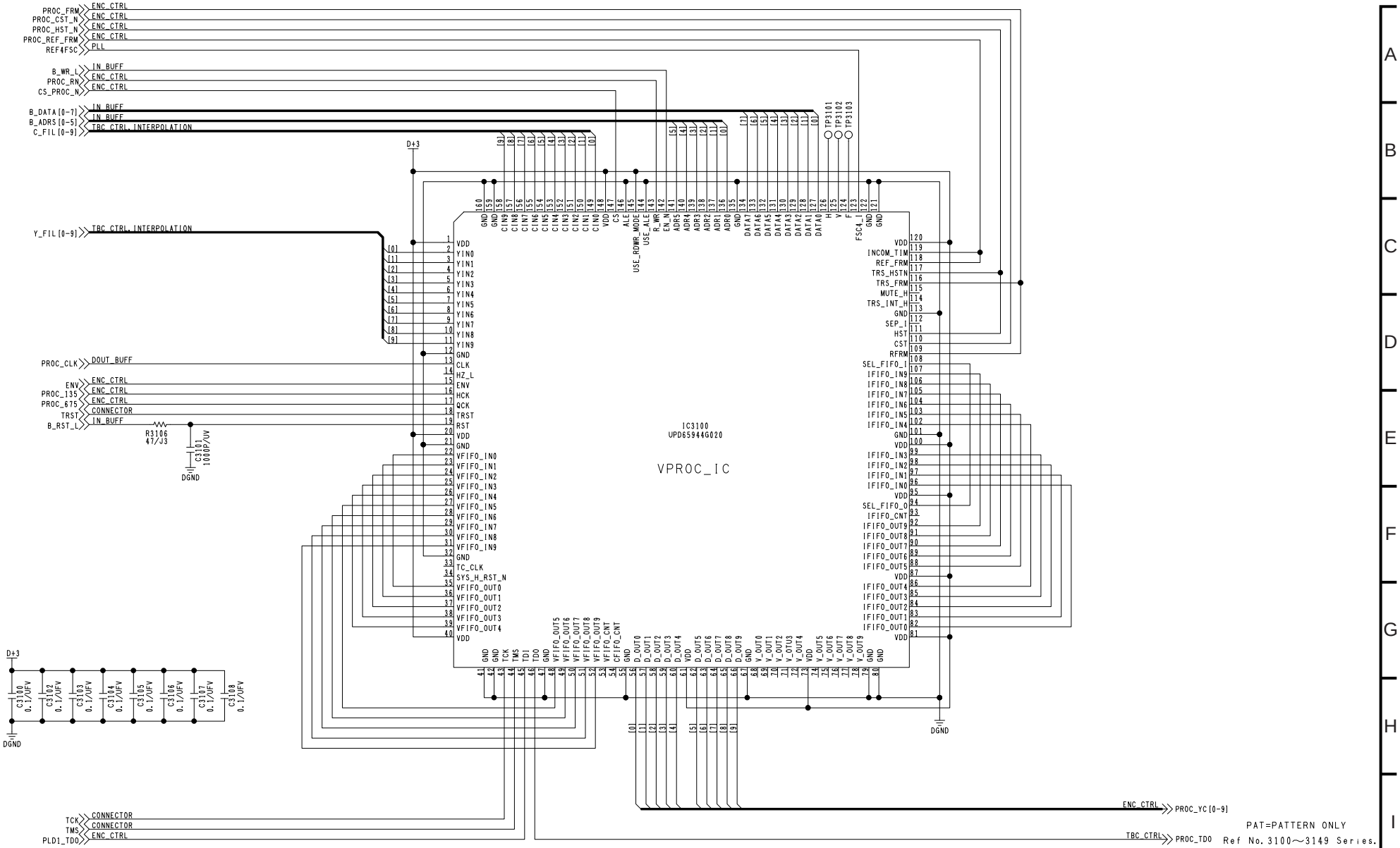
PAT=PATTERN ONLY

Ref No. 3080～3089 Series.

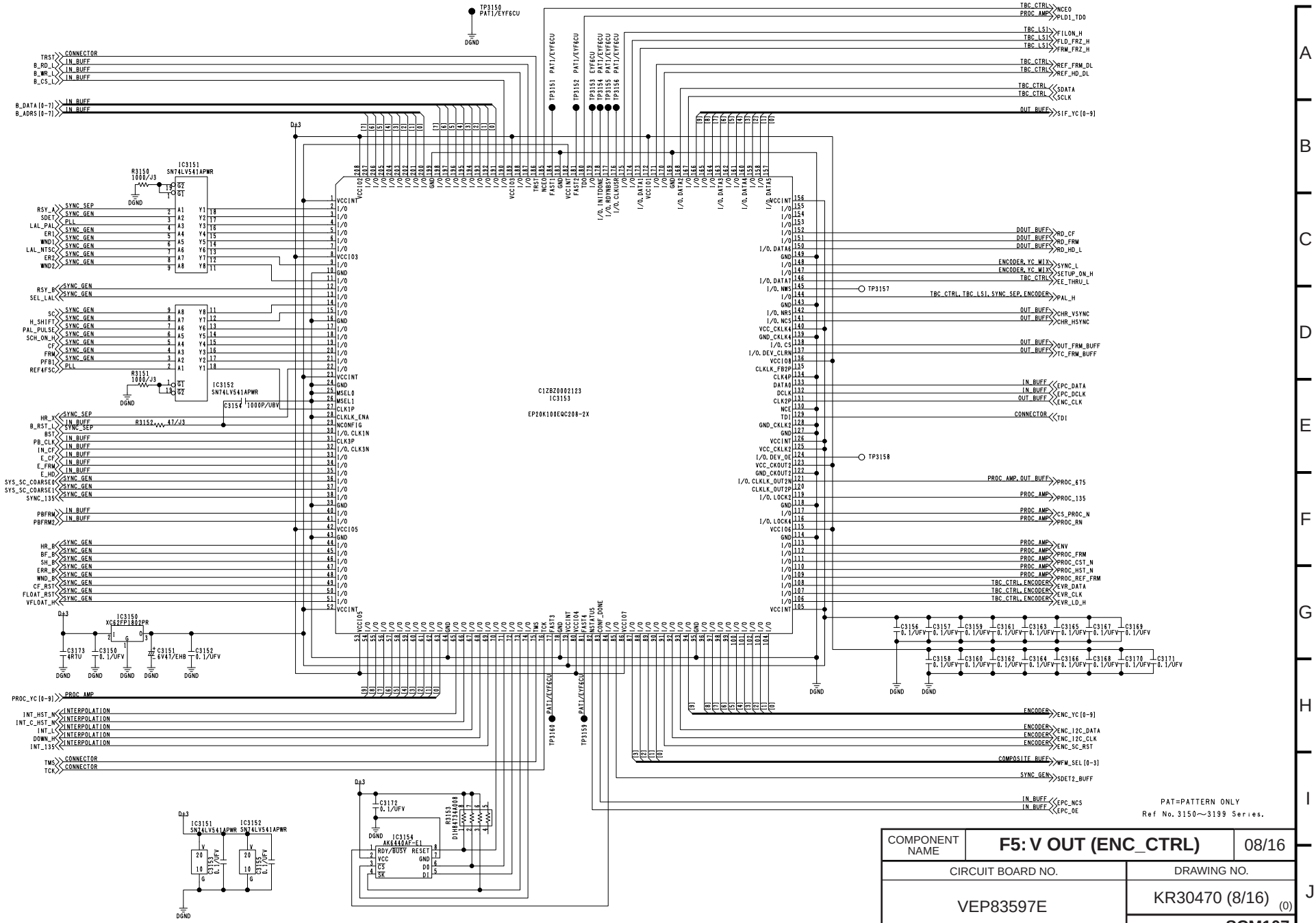
COMPONENT NAME	F5: V OUT (TBC_FIFO)	05/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (5/16) (0)
		SCM104



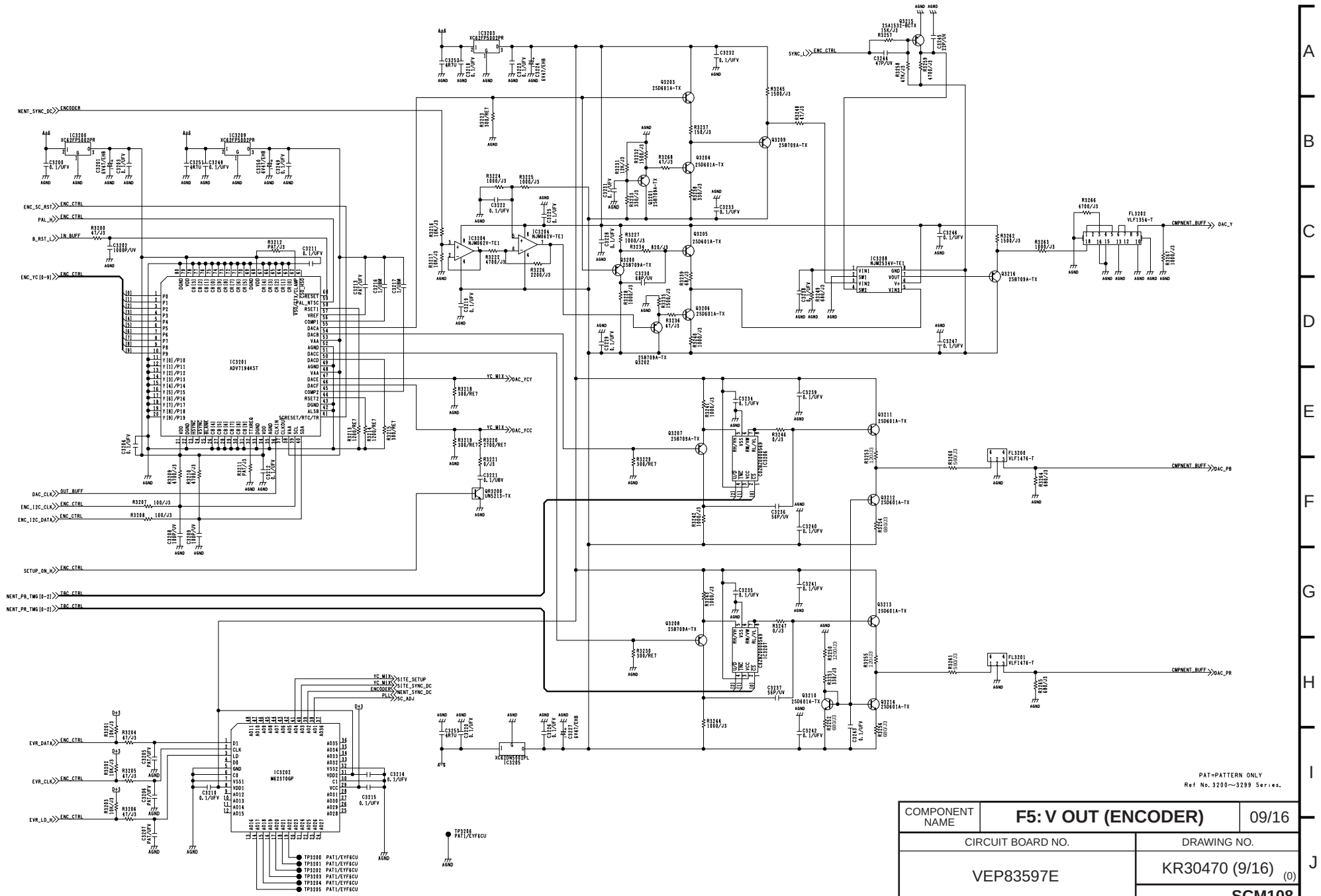
COMPONENT NAME	F5: V OUT (INTERPOLATION)	06/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597E	KR30470 (6/16) (0)	
	SCM105	



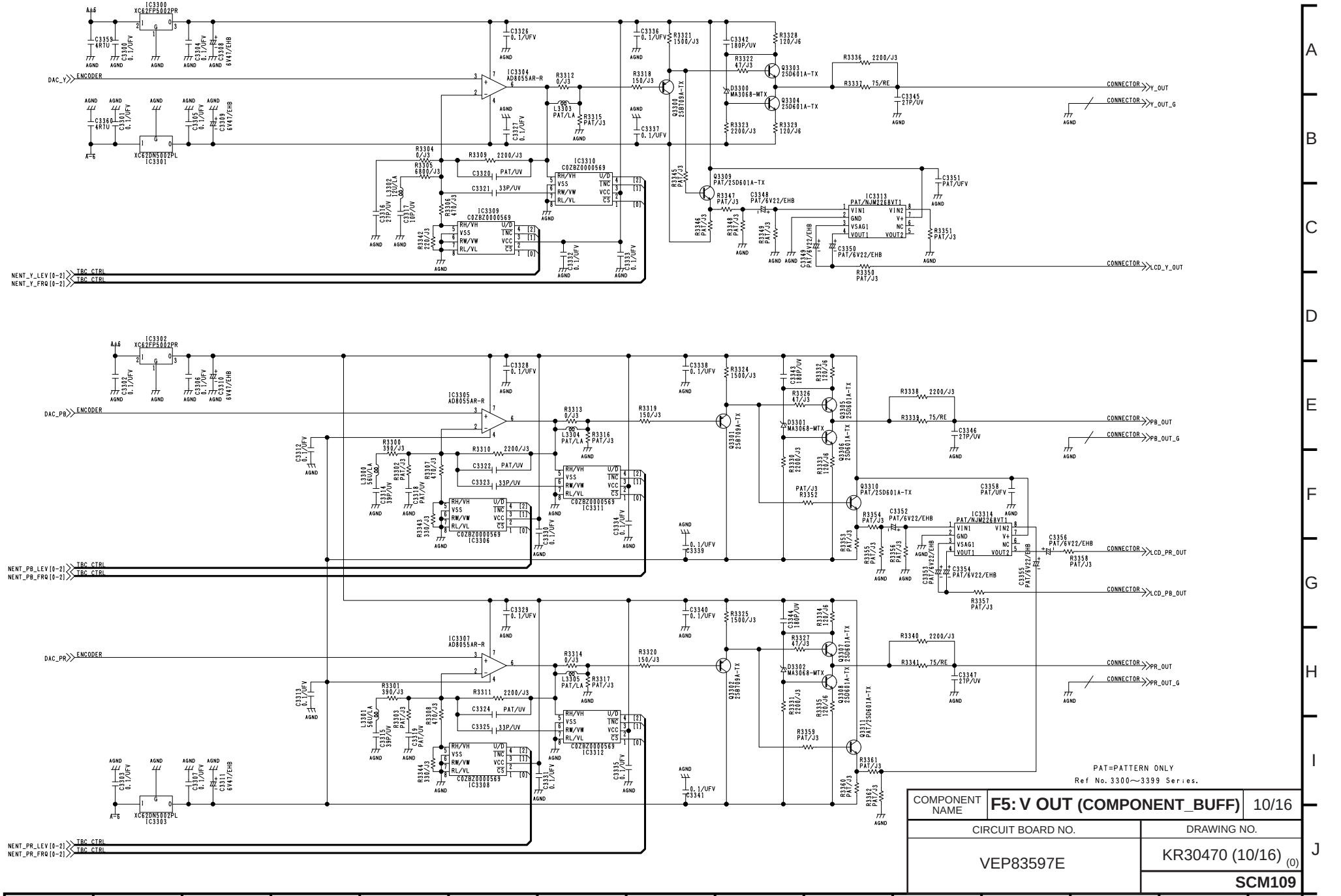
COMPONENT NAME	F5: V OUT (PROC_AMP)	07/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (7/16) (0)
		SCM106



COMPONENT NAME	F5: V OUT (ENC_CTRL)	08/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (8/16) (0)
		SCM107

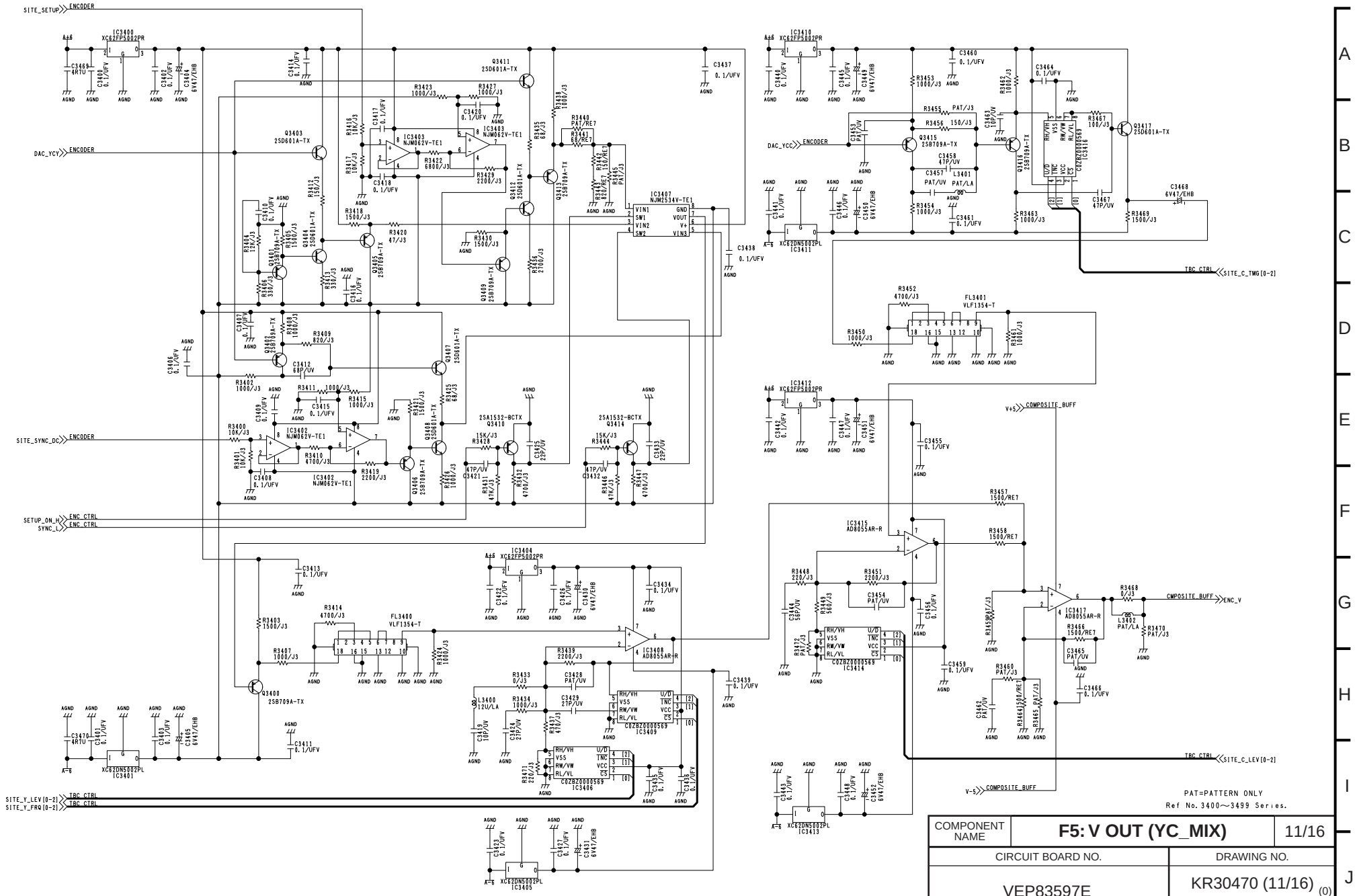


COMPONENT NAME	F5: V OUT (ENCODER)	09/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (9/16) (0)
		SCM108

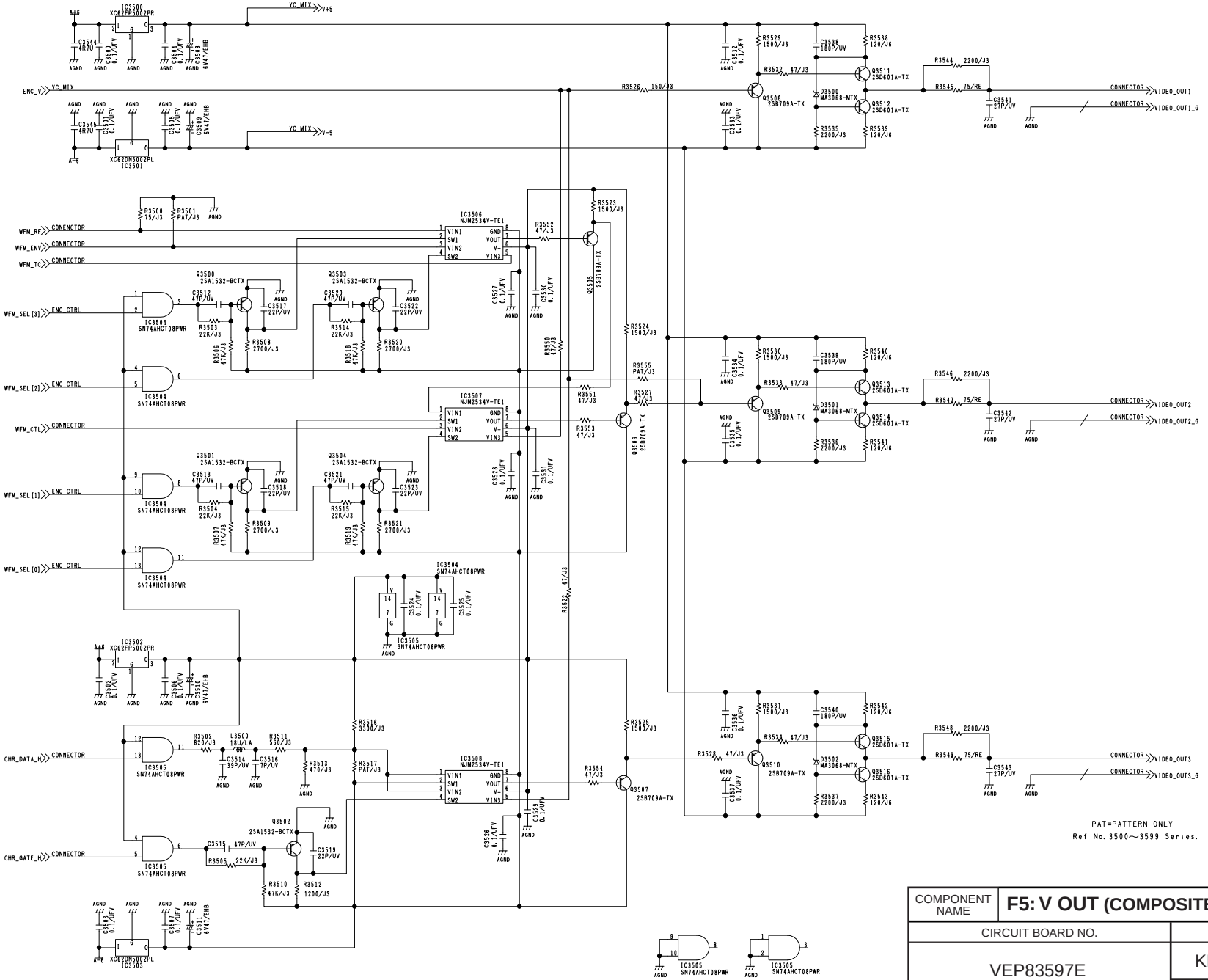


PAT=PATTERN ONLY
Ref No. 3300～3399 Series.

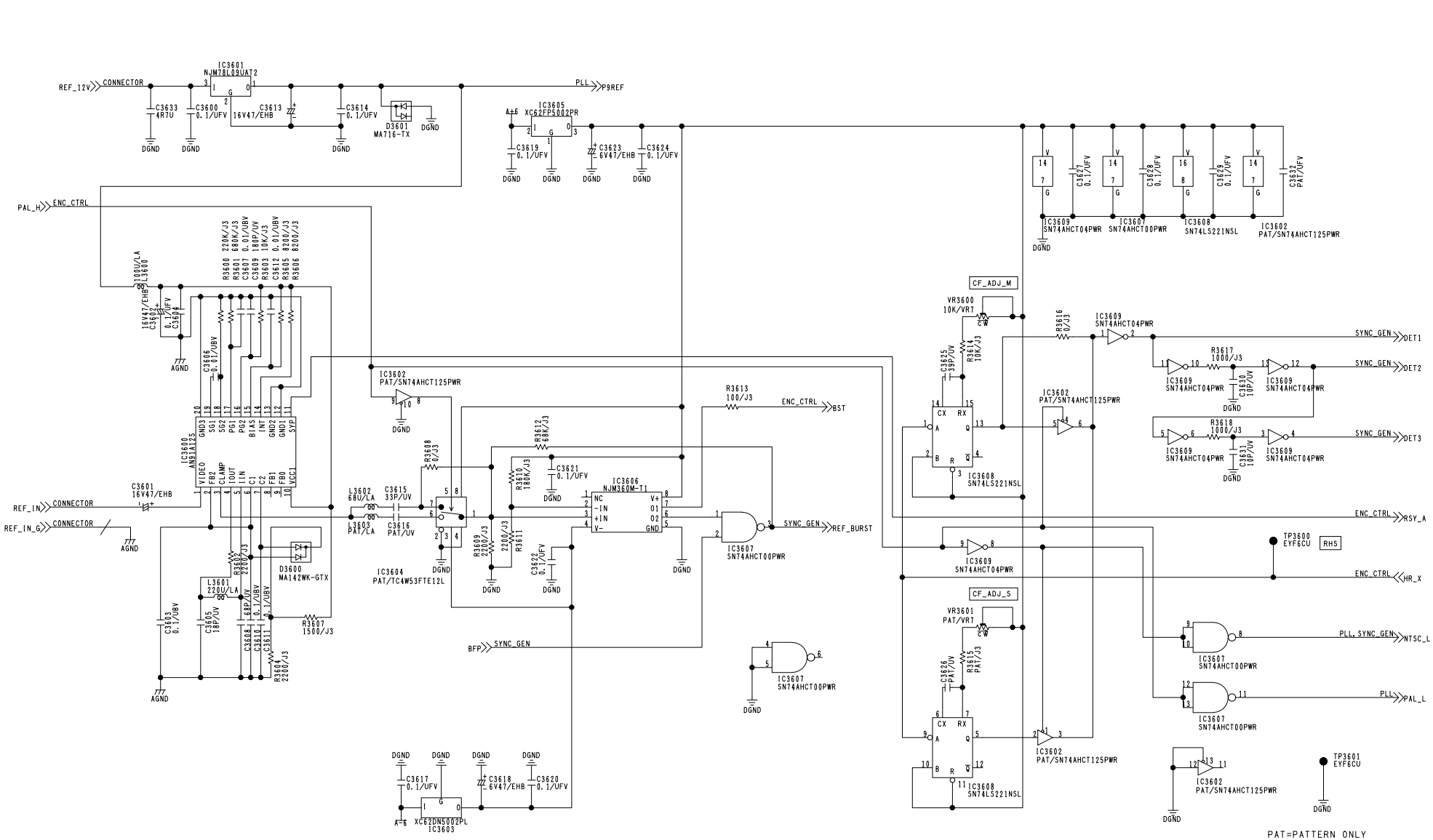
COMPONENT NAME	F5: V OUT (COMPONENT_BUFF)	10/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (10/16) (0)
		SCM109



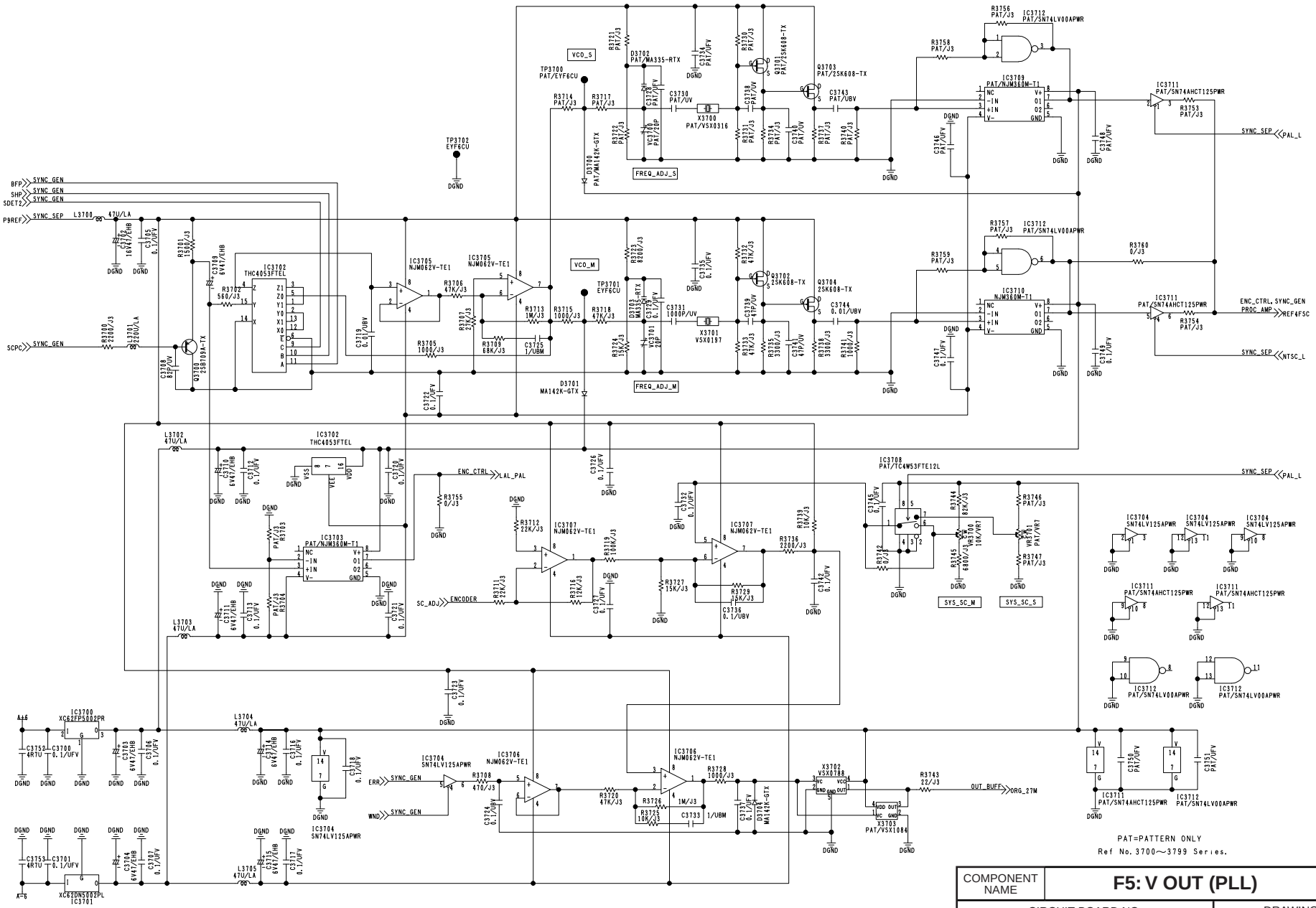
COMPONENT NAME	**F5: V OUT (YC_MIX)**	11/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (11/16) (0)
		SCM110



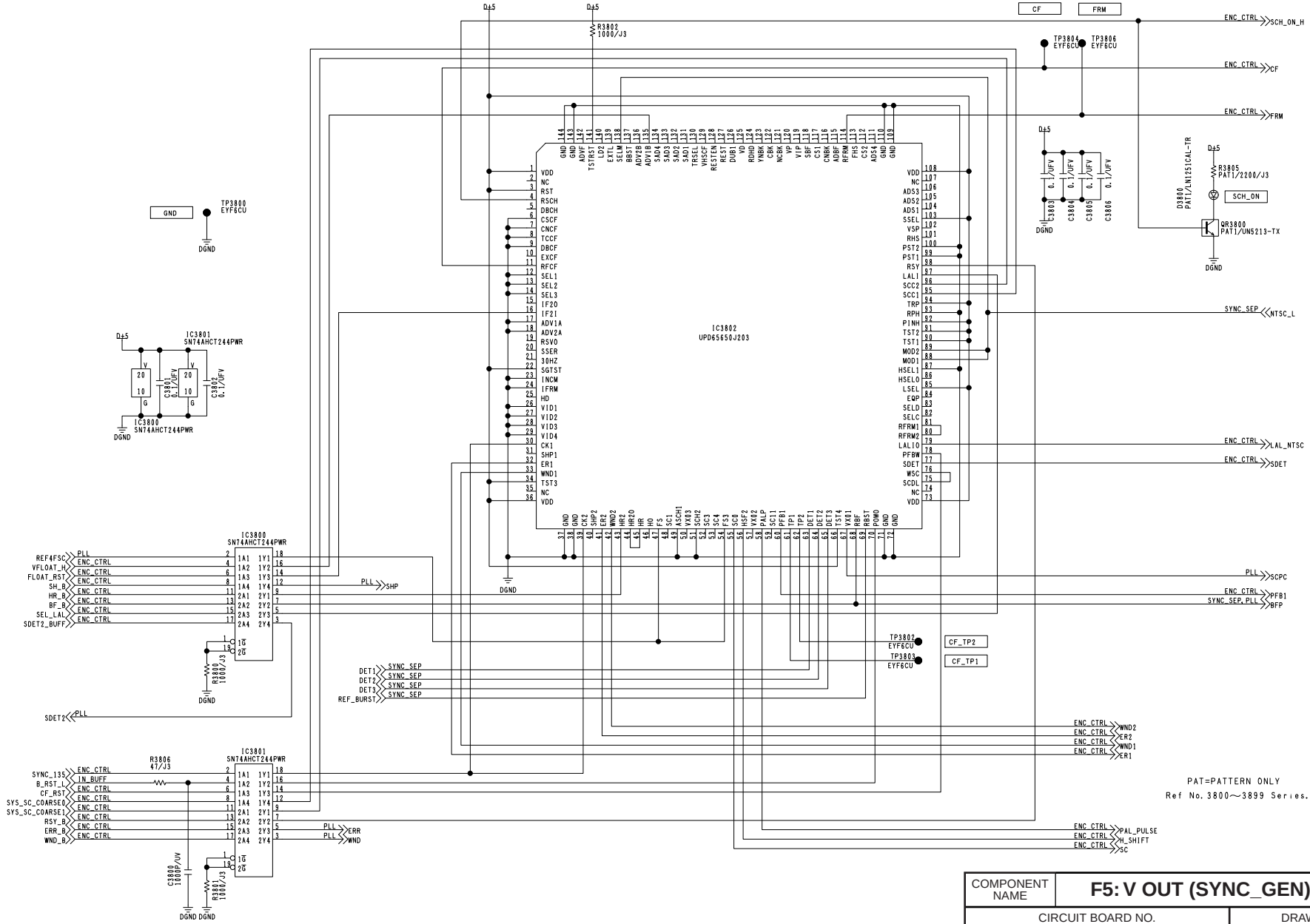
COMPONENT NAME	F5: V OUT (COMPOSITE_BUFF)	12/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (12/16) (0)
		SCM111



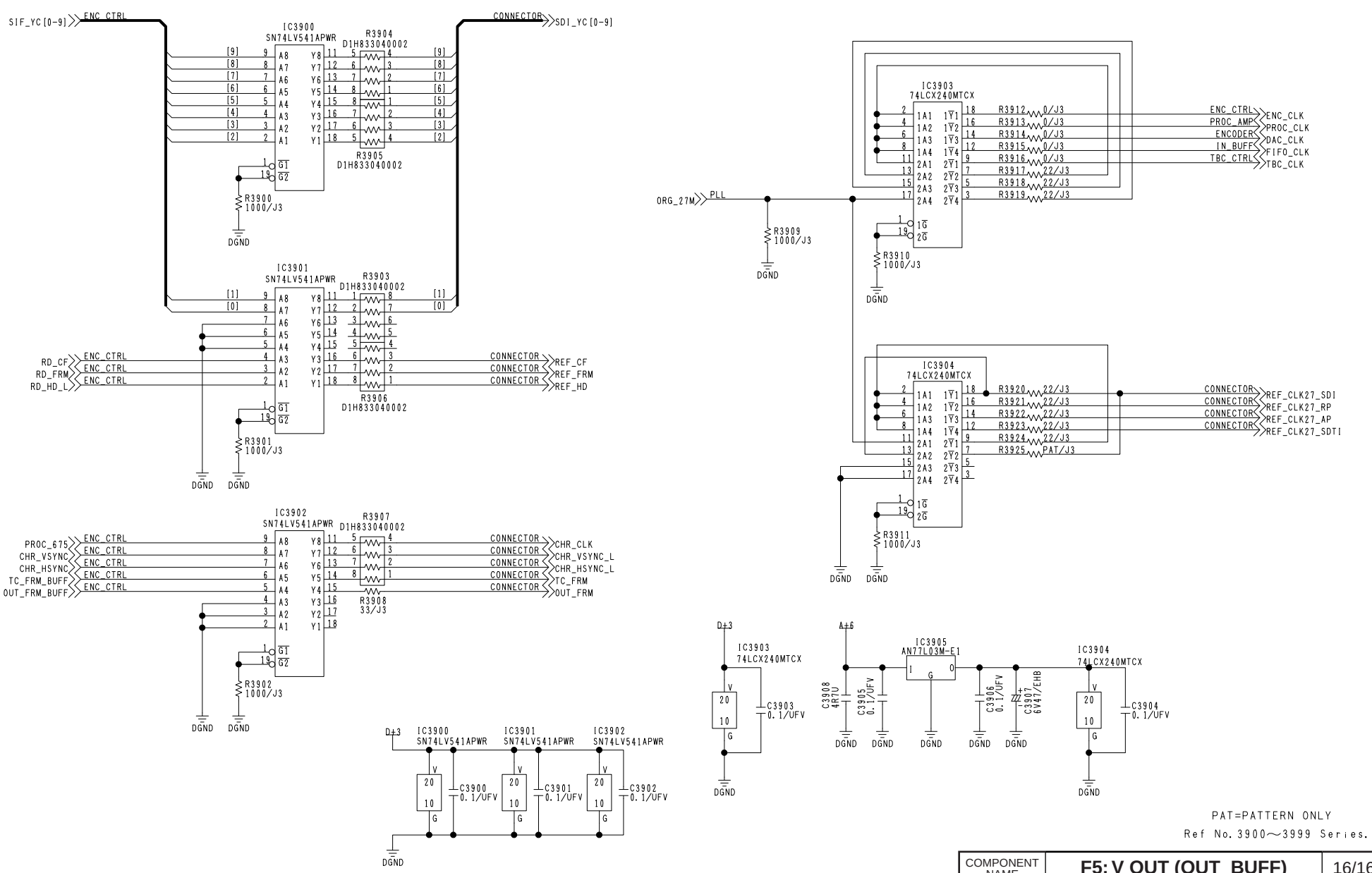
COMPONENT NAME	**F5: V OUT (SYNC_SEP)**	13/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (13/16) (0)
		SCM112



COMPONENT NAME	F5: V OUT (PLL)	14/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597E	KR30470 (14/16) (0)	
	SCM113	



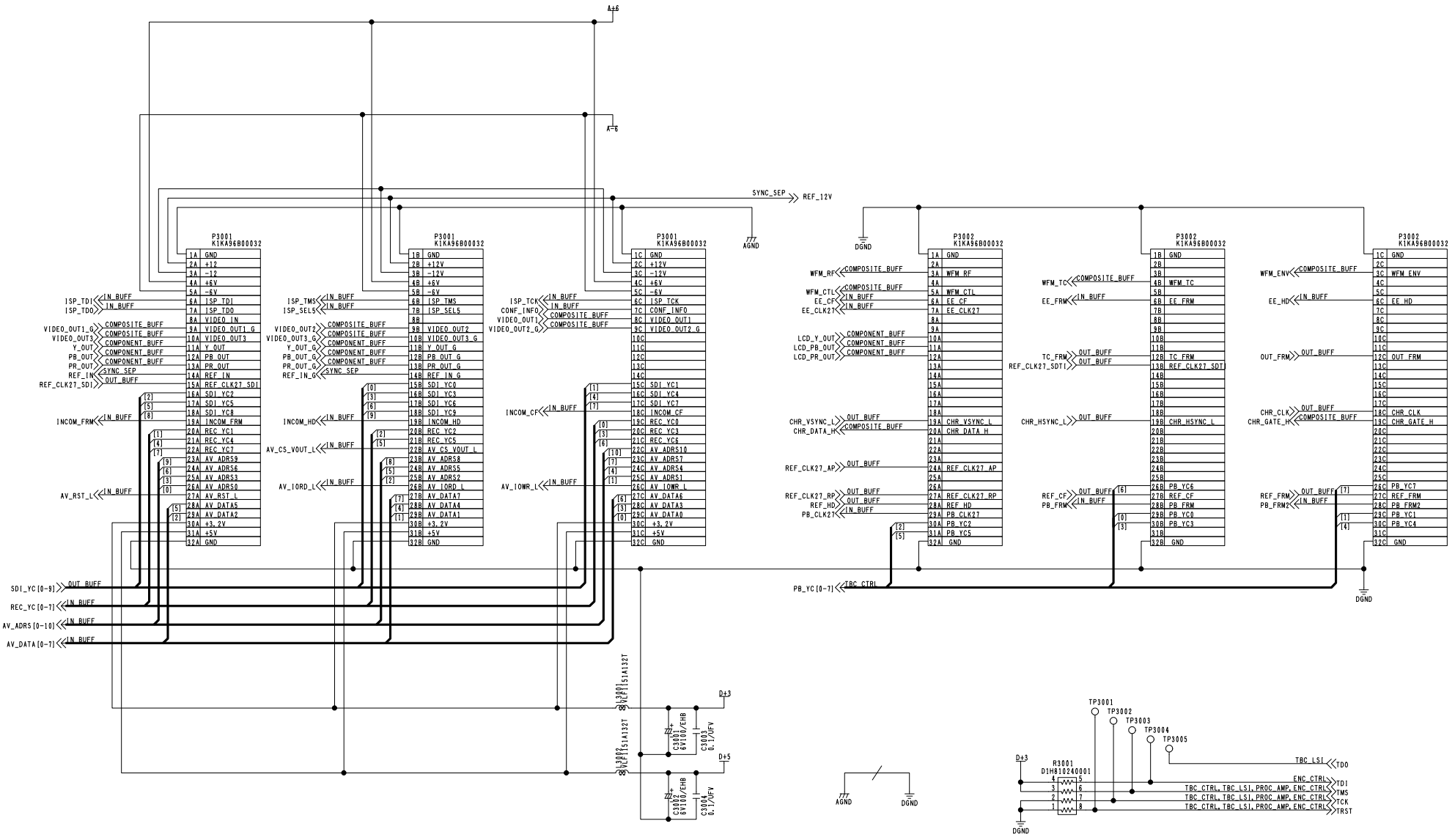
COMPONENT NAME	F5: V OUT (SYNC_GEN)	15/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (15/16) (0)
		SCM114



PAT=PATTERN ONLY

Ref No. 3900～3999 Series.

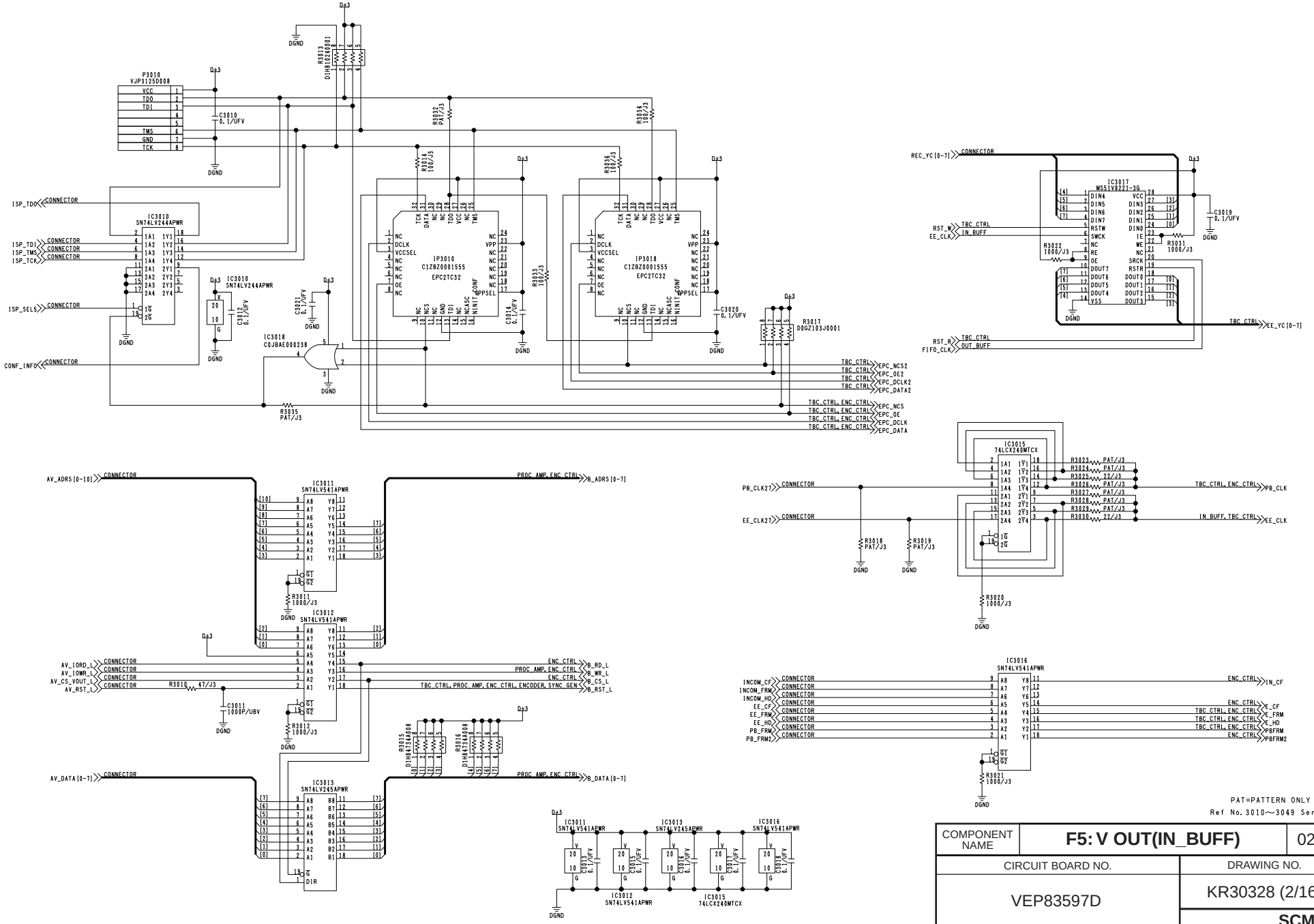
COMPONENT NAME	F5: V OUT (OUT_BUFF)	16/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597E		KR30470 (16/16) (0)
		SCM115



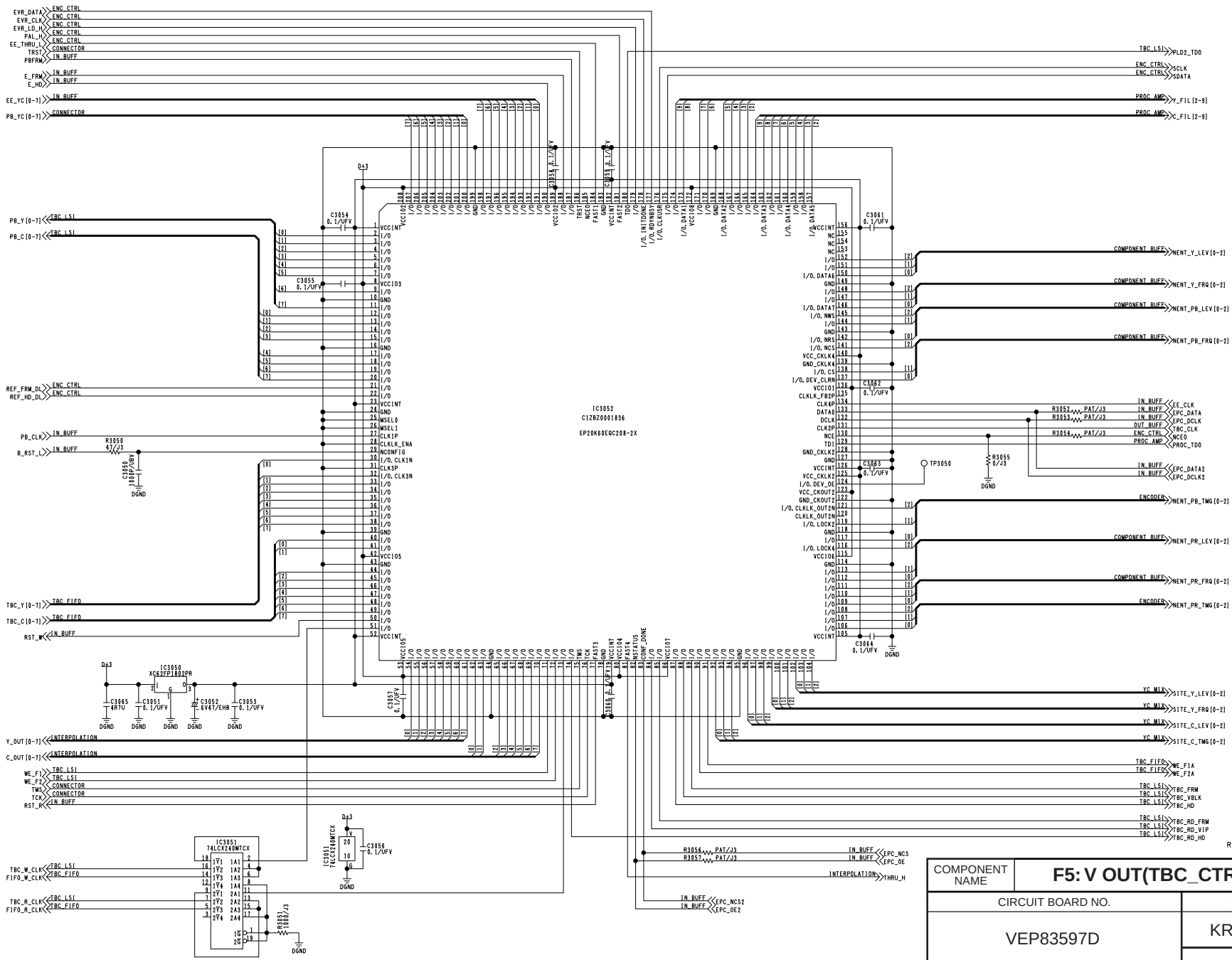
PAT=PATTERN ONLY

Ref No. 3001～3009 Series.

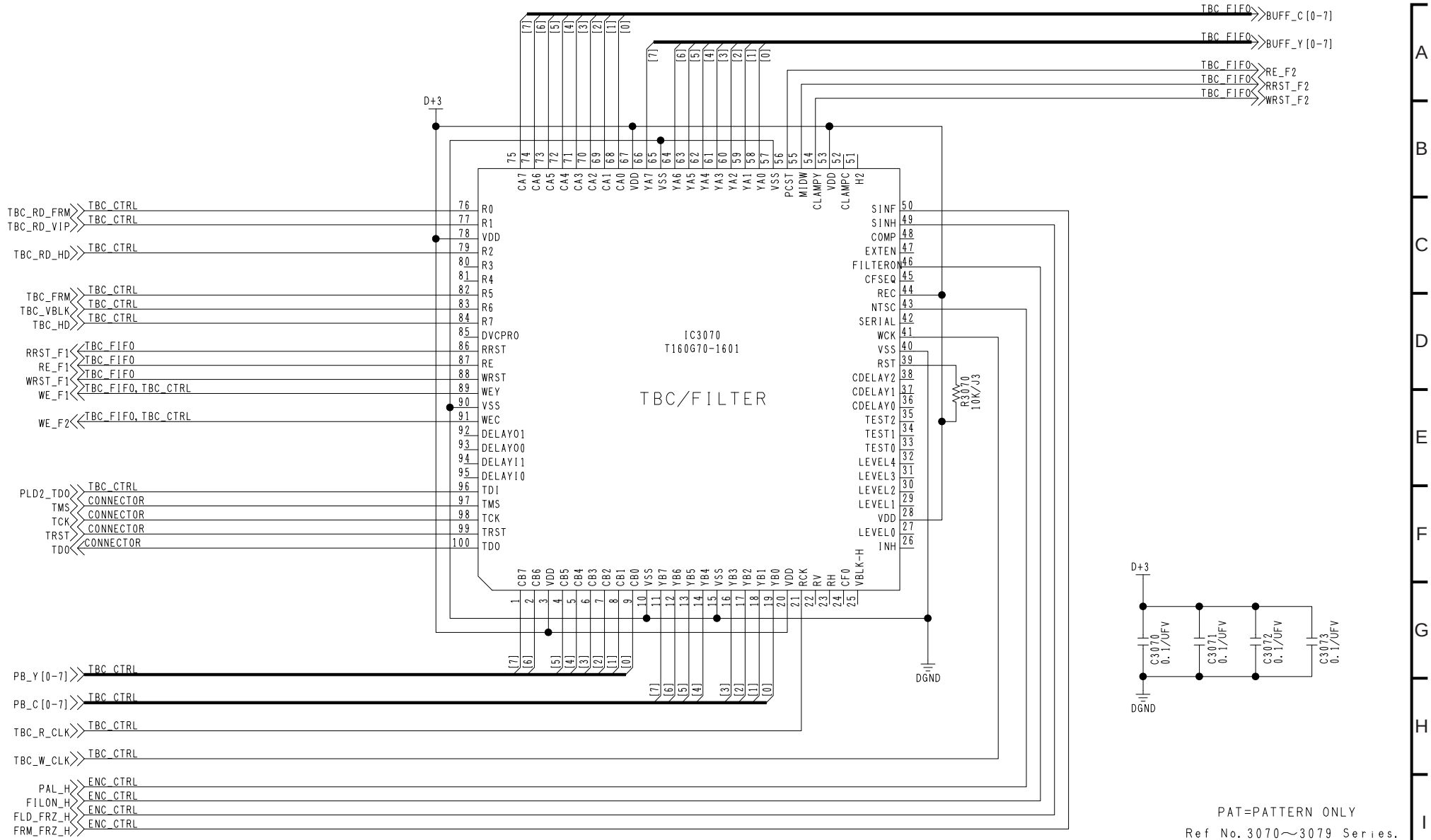
COMPONENT NAME	**F5: V OUT(CONNECTOR)**	01/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597D	KR30328 (1/16) (0)	
	SCM116	



COMPONENT NAME	**F5: V OUT(IN_BUFF)**	02/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597D	KR30328 (2/16) (0)	
	SCM117	



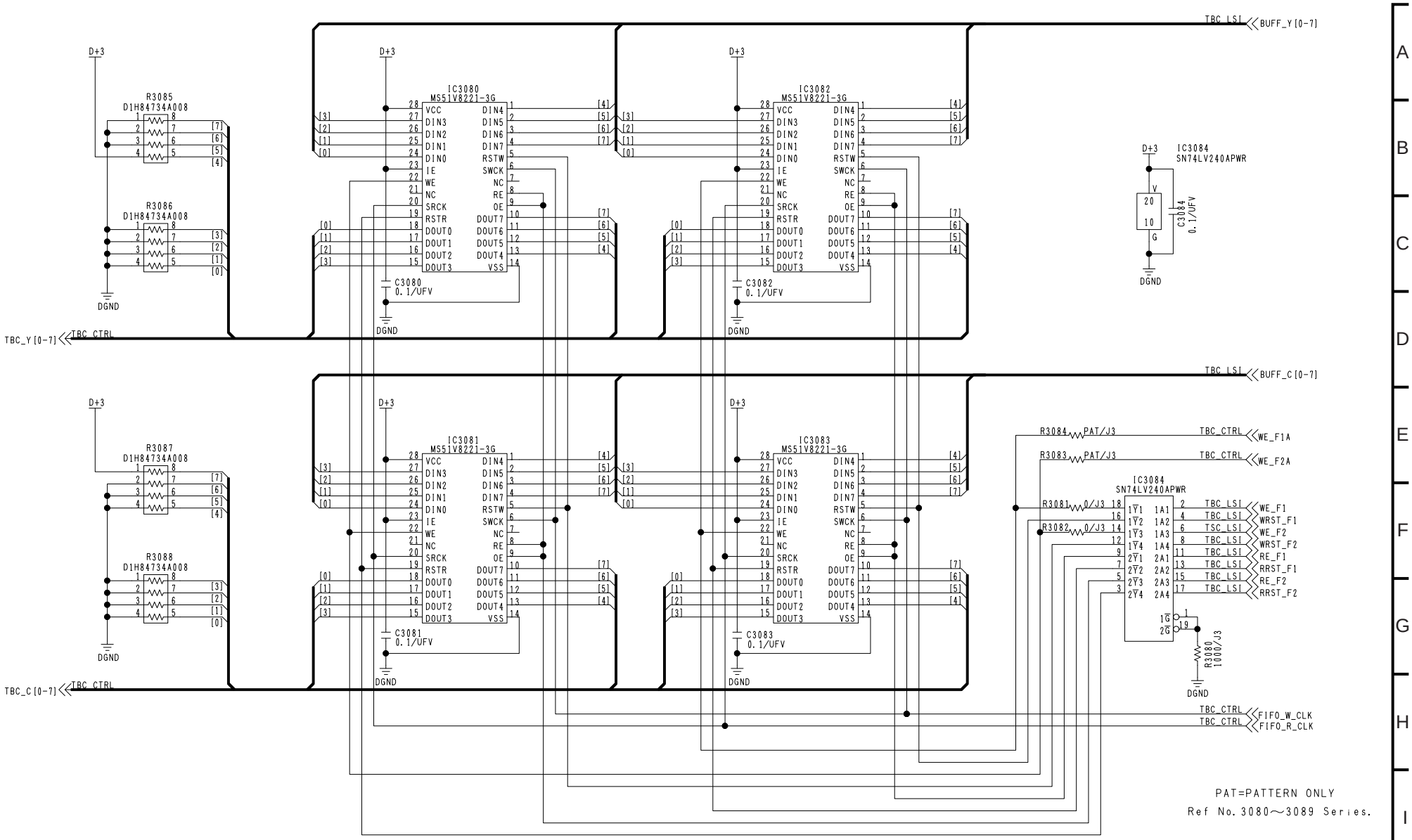
COMPONENT NAME	**F5: V OUT(TBC_CTRL)**	03/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (3/16) (0)
		SCM118



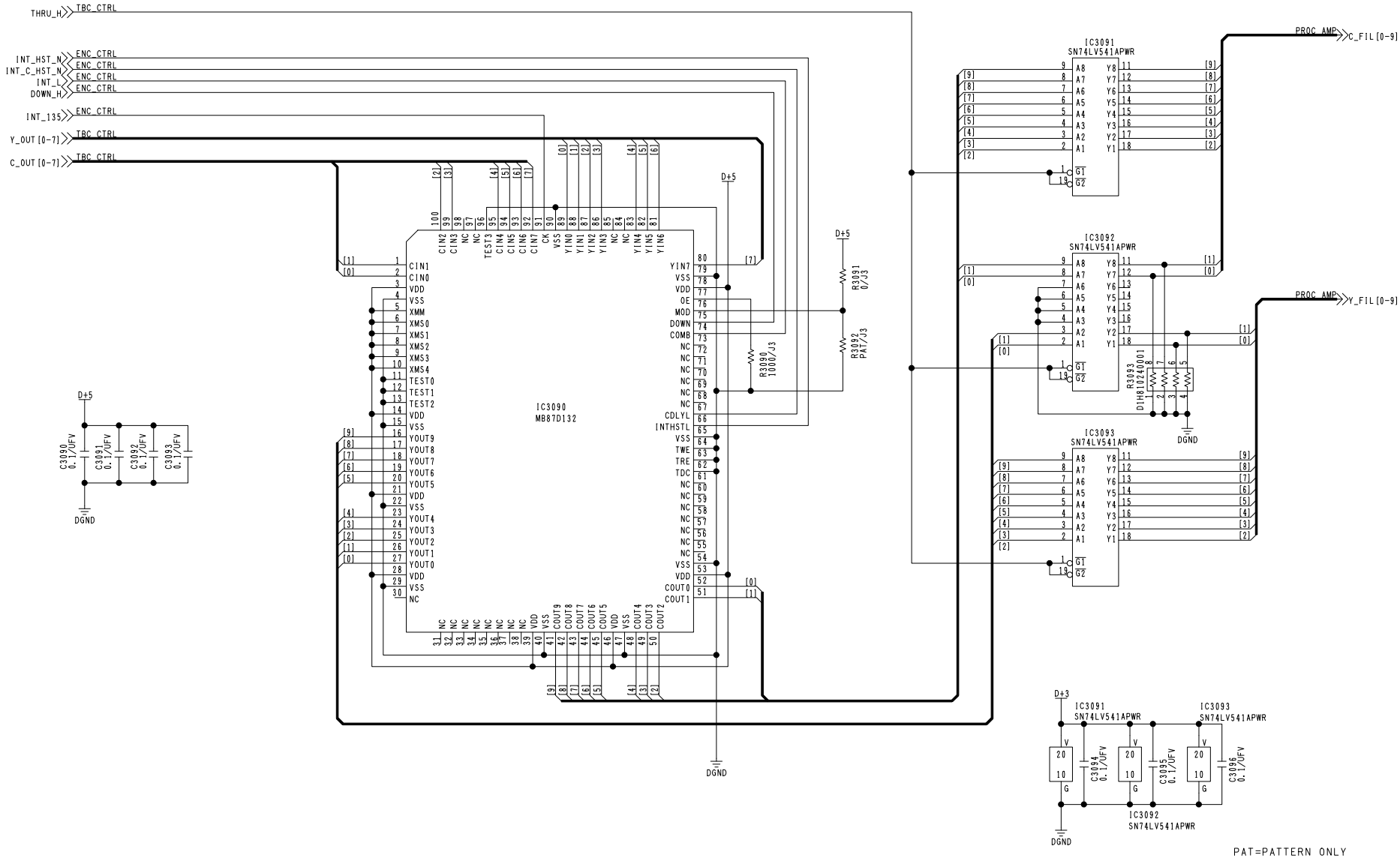
PAT=PATTERN ONLY

Ref No. 3070～3079 Series.

COMPONENT NAME	F5: V OUT(TBC_LSI)	04/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597D	KR30328 (4/16) (0)	
	SCM119	



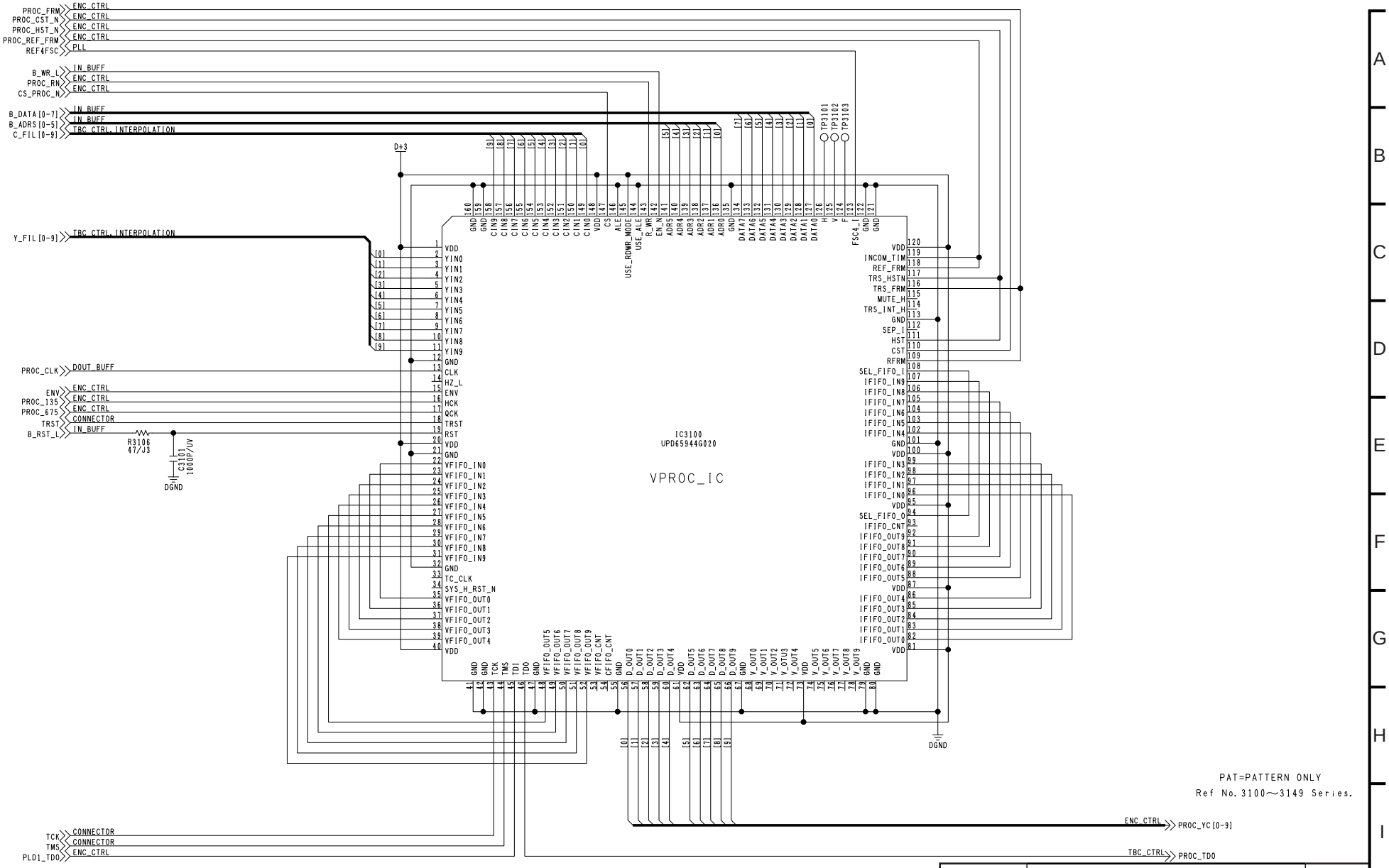
COMPONENT NAME	F5: V OUT(TBC_FIFO)	05/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597D	KR30328 (5/16) (0)	
	SCM120	



PAT=PATTERN ONLY

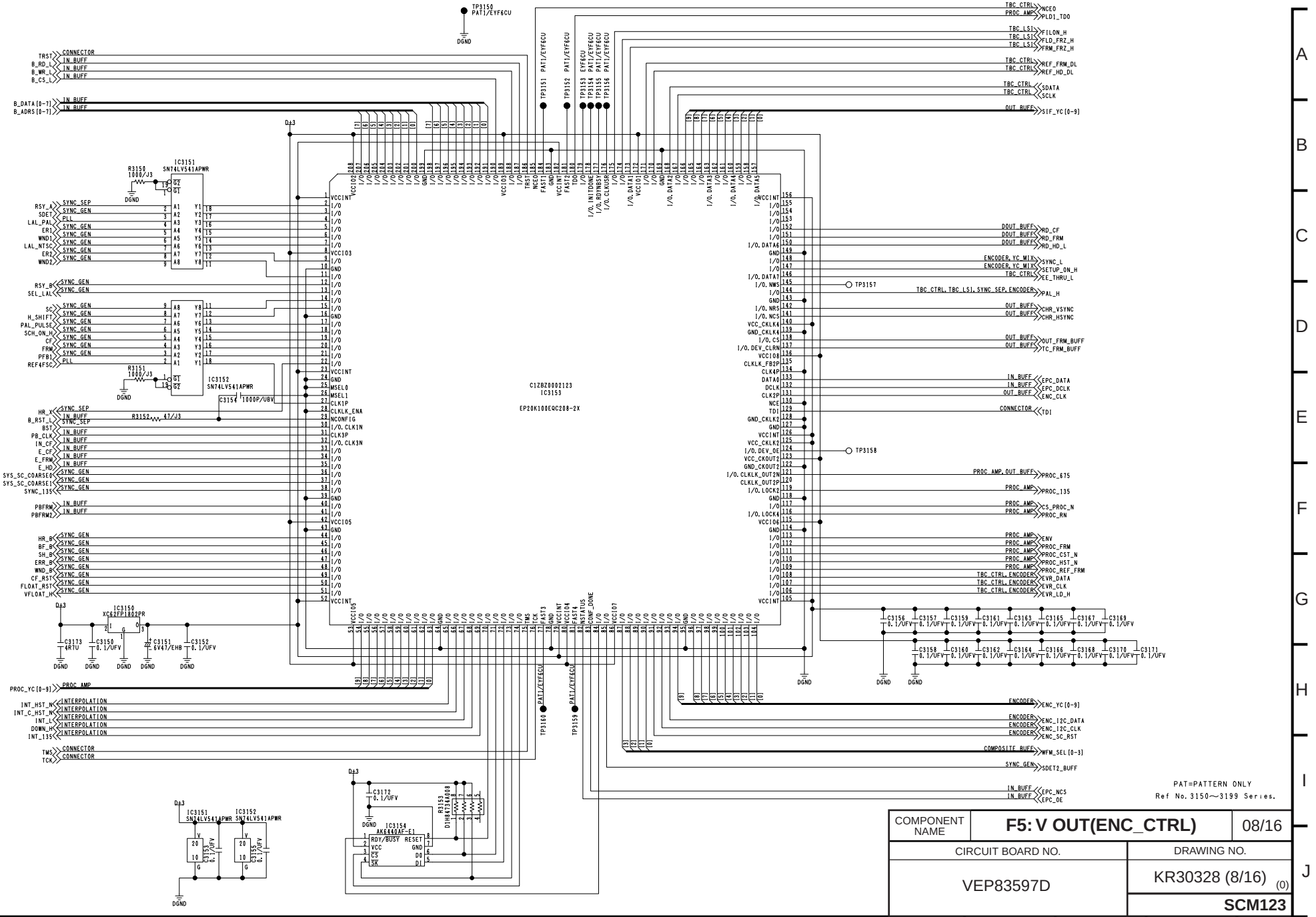
Ref No. 3090～3099 Series.

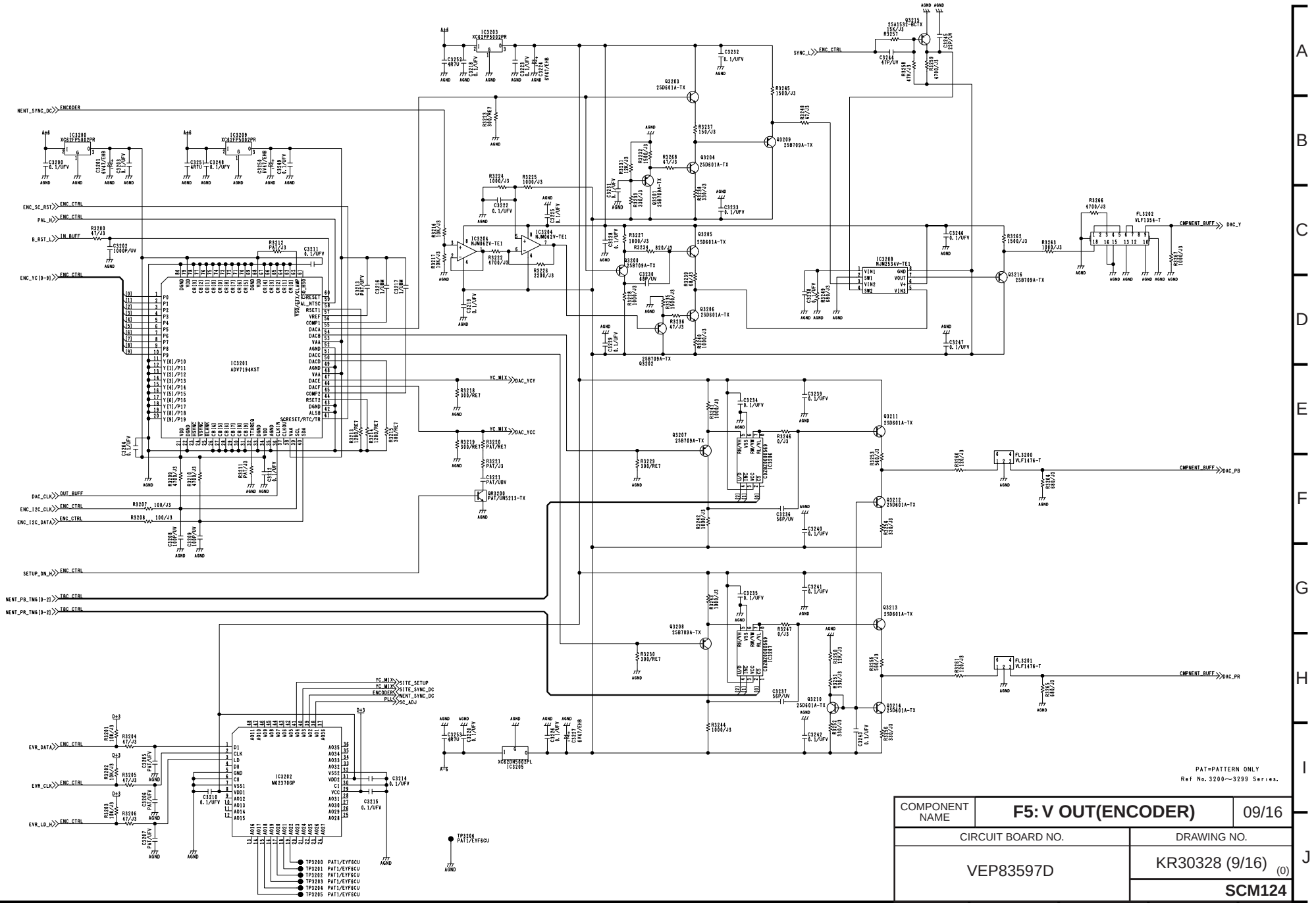
COMPONENT NAME	F5: V OUT(INTERPOLATION)	06/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (6/16) (0)
		SCM121



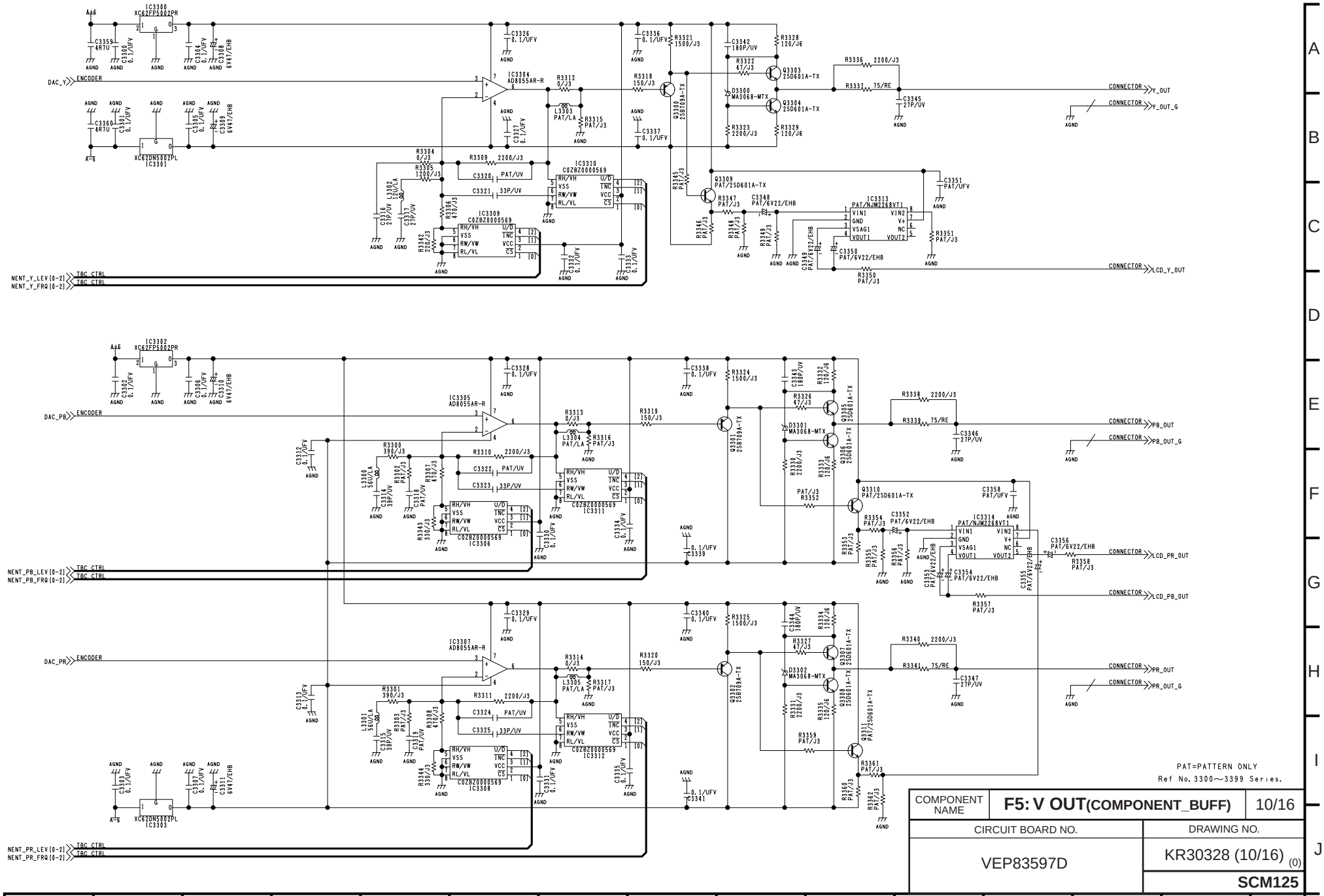
PAT=PATTERN ONLY
Ref No. 3100～3149 Series.

COMPONENT NAME	**F5: V OUT(PROC_AMP)**	07/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597D	KR30328 (7/16) (0)	
	SCM122	

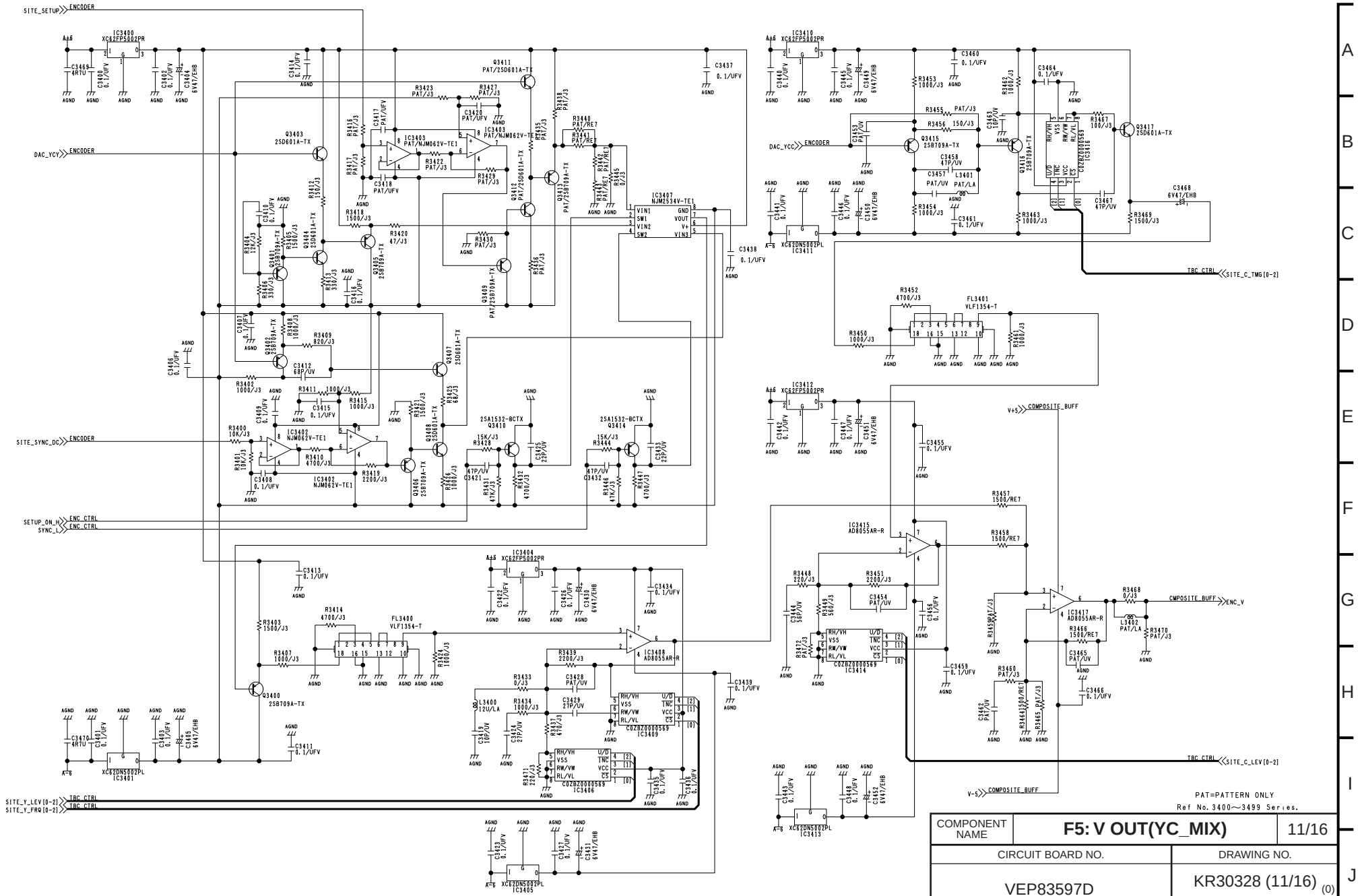

IC3151
SN74LV541APWR
IC3152
SN74LV541APWR
C1ZBZ0002123
IC3153
EP20K100EQC208-2X
IC3150
XC62FP1802PR
IC3154
AK6440AF-E1
TP3150
PAT1/EYF6CU
TP3151
PAT1/EYF6CU
TP3152
PAT1/EYF6CU
TP3153
EYF6CU
TP3154
PAT1/EYF6CU
TP3155
PAT1/EYF6CU
TP3156
PAT1/EYF6CU
TP3157
TP3158
TP3159
PAT1/EYF6CU
TP3160
PAT1/EYF6CU
DGND
D+3
TRST
B_RD_L
B_WR_L
B_CS_L
B_DATA[0-7]
B_ADRS[0-7]
CONNECTOR
IN_BUFF
RSY_A
SDET
LAL_PAL
ER1
WND1
LAL_NTSC
ER2
WND2
RSY_B
SEL_LAL
SC
H_SHIFT
PAL_PULSE
SCH_ON_H
CF
FRM
PFB1
REF4F5C
HR_X
B_RST_L
BST
PB_CLK
IN_CF
E_CF
E_FRM
E_HD
SYS_SC_COARSE0
SYS_SC_COARSE1
SYNC_135
PBFRM
PBFRM2
HR_B
BF_B
SH_B
ERR_B
WND_B
CF_RST
FLOAT_RST
VFLOAT_H
PROC_YC[0-9]
INT_HST_N
INT_C_HST_N
INT_L
DOWN_H
INT_135
TMS
TCK
R3150 1000/J3
R3151 1000/J3
R3152 47/J3
C3154 1000P/UBV
C3172 0.1/UFV
C3173 4R7U
C3150 0.1/UFV
C3151 6V47/EHB
C3152 0.1/UFV
C3156 0.1/UFV
C3157 0.1/UFV
C3158 0.1/UFV
C3159 0.1/UFV
C3160 0.1/UFV
C3161 0.1/UFV
C3162 0.1/UFV
C3163 0.1/UFV
C3164 0.1/UFV
C3165 0.1/UFV
C3166 0.1/UFV
C3167 0.1/UFV
C3168 0.1/UFV
C3169 0.1/UFV
C3170 0.1/UFV
C3171 0.1/UFV
TBC_CTRL
PROC_AMP
NCEO
PLD1_TDO
TBC_LS1
FILON_H
FLD_FRZ_H
FRM_FRZ_H
REF_FRM_DL
REF_HD_DL
SDATA
SCLK
OUT_BUFF
SIF_YC[0-9]
DOUT_BUFF
RD_CF
RD_FRM
RD_HD_L
ENCODER, YC_MIX
SYNC_L
SETUP_ON_H
EE_THRU_L
PAL_H
CHR_VSYNC
CHR_HSYNC
OUT_FRM_BUFF
TC_FRM_BUFF
EPC_DATA
EPC_DCLK
ENC_CLK
TDI
PROC_675
PROC_135
CS_PROC_N
PROC_RN
ENV
PROC_FRM
PROC_CST_N
PROC_HST_N
PROC_REF_FRM
EVR_DATA
EVR_CLK
EVR_LD_H
ENC_YC[0-9]
ENC_I2C_DATA
ENC_I2C_CLK
ENC_SC_RST
COMPOSITE_BUFF
WFM_SEL[0-3]
SDET2_BUFF
EPC_NCS
EPC_OE
INTERPOLATION
PAT=PATTERN ONLY
Ref No. 3150～3199 Series.
COMPONENT NAME
F5: V OUT(ENC_CTRL)
08/16
CIRCUIT BOARD NO.
VEP83597D
DRAWING NO.
KR30328 (8/16) (0)
SCM123



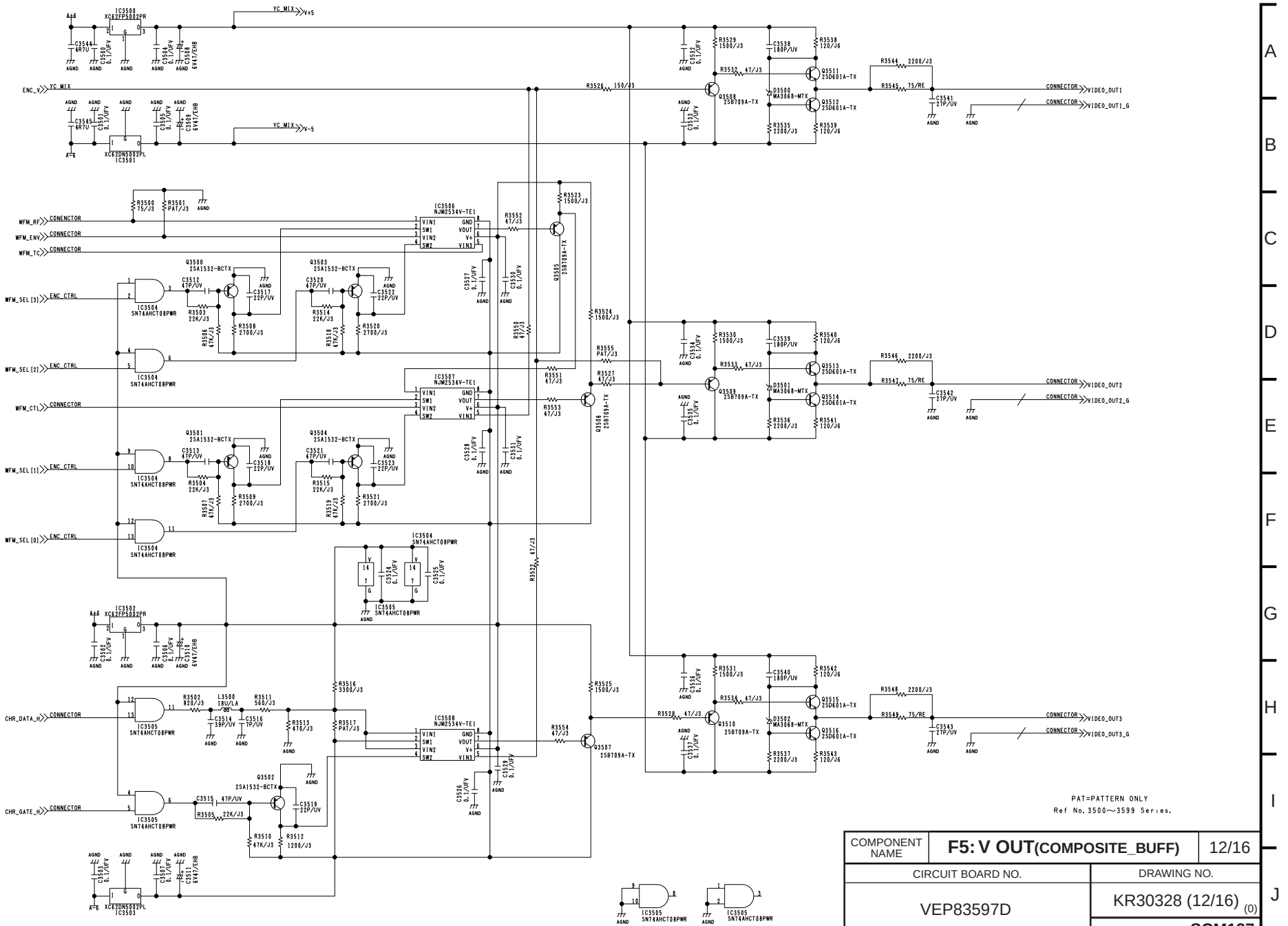
COMPONENT NAME	**F5: V OUT(ENCODER)**	09/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (9/16) (0)
		SCM124



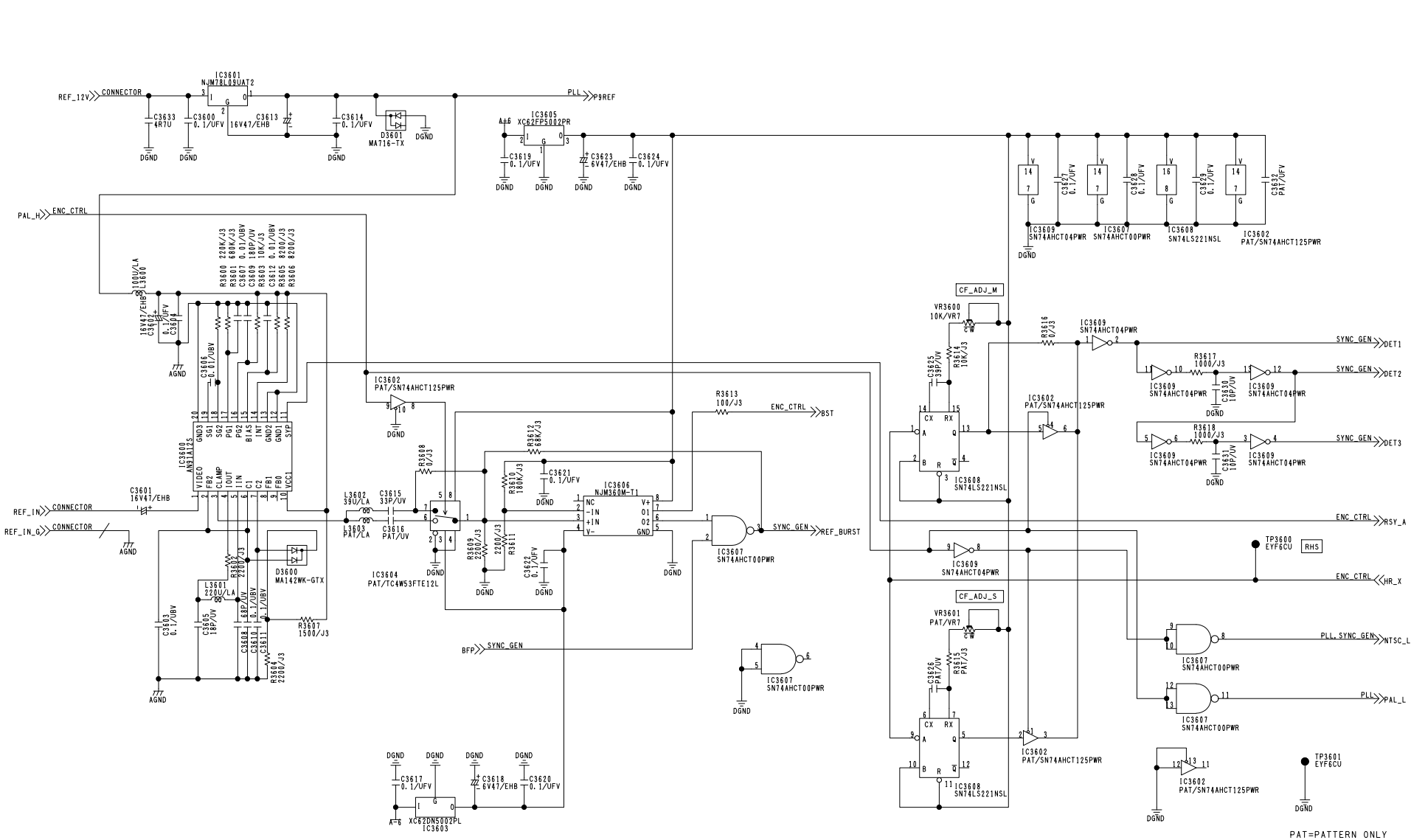
COMPONENT NAME	**F5: V OUT(COMPONENT_BUFF)**	10/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (10/16) (0)
		SCM125



COMPONENT NAME	F5: V OUT(YC_MIX)	11/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (11/16) (0)
		SCM126



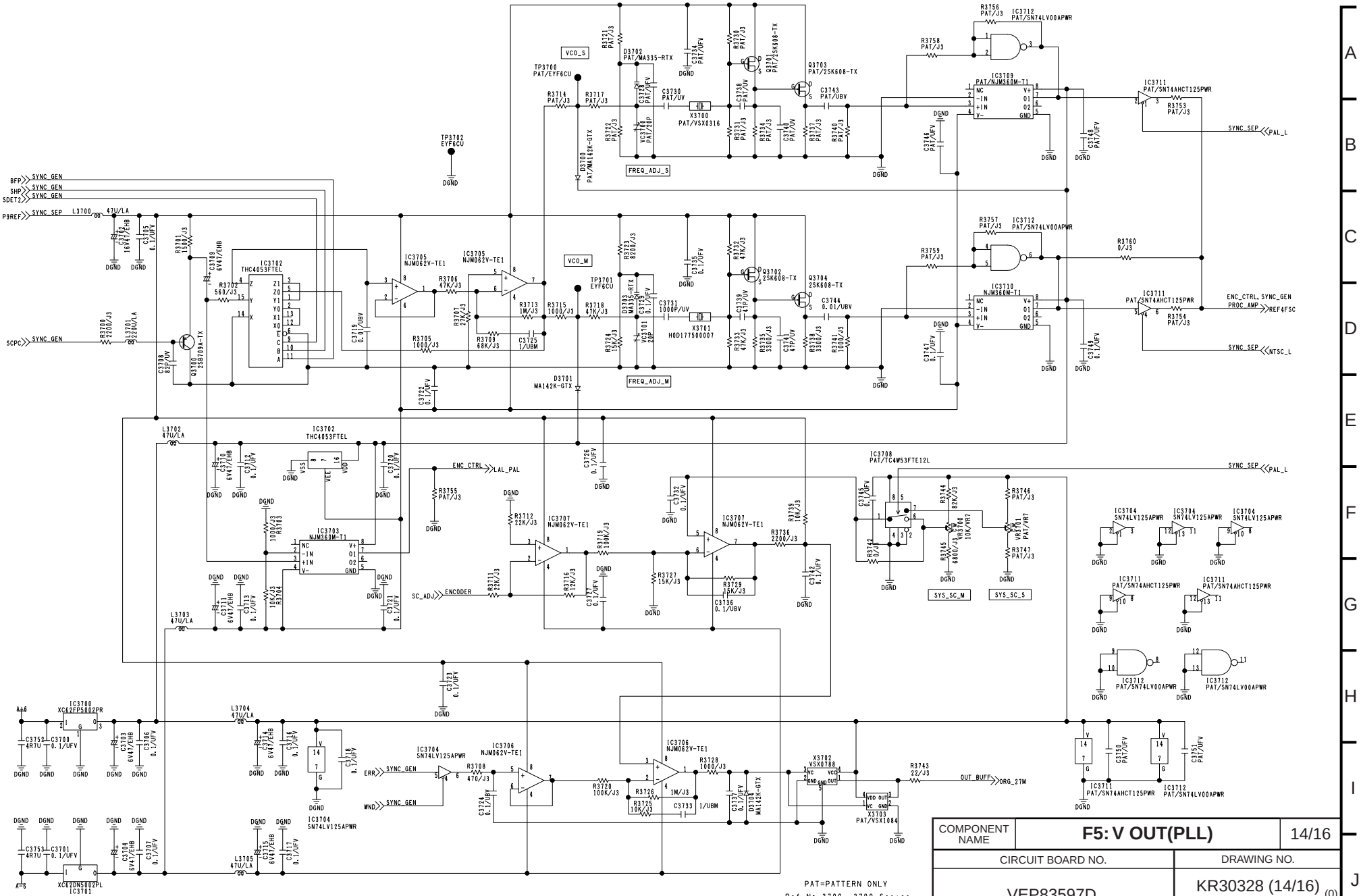
COMPONENT NAME	**F5: V OUT(COMPOSITE_BUFF)**	12/16
CIRCUIT BOARD NO.	DRAWING NO.	
VEP83597D	KR30328 (12/16) (0)	
	SCM127	



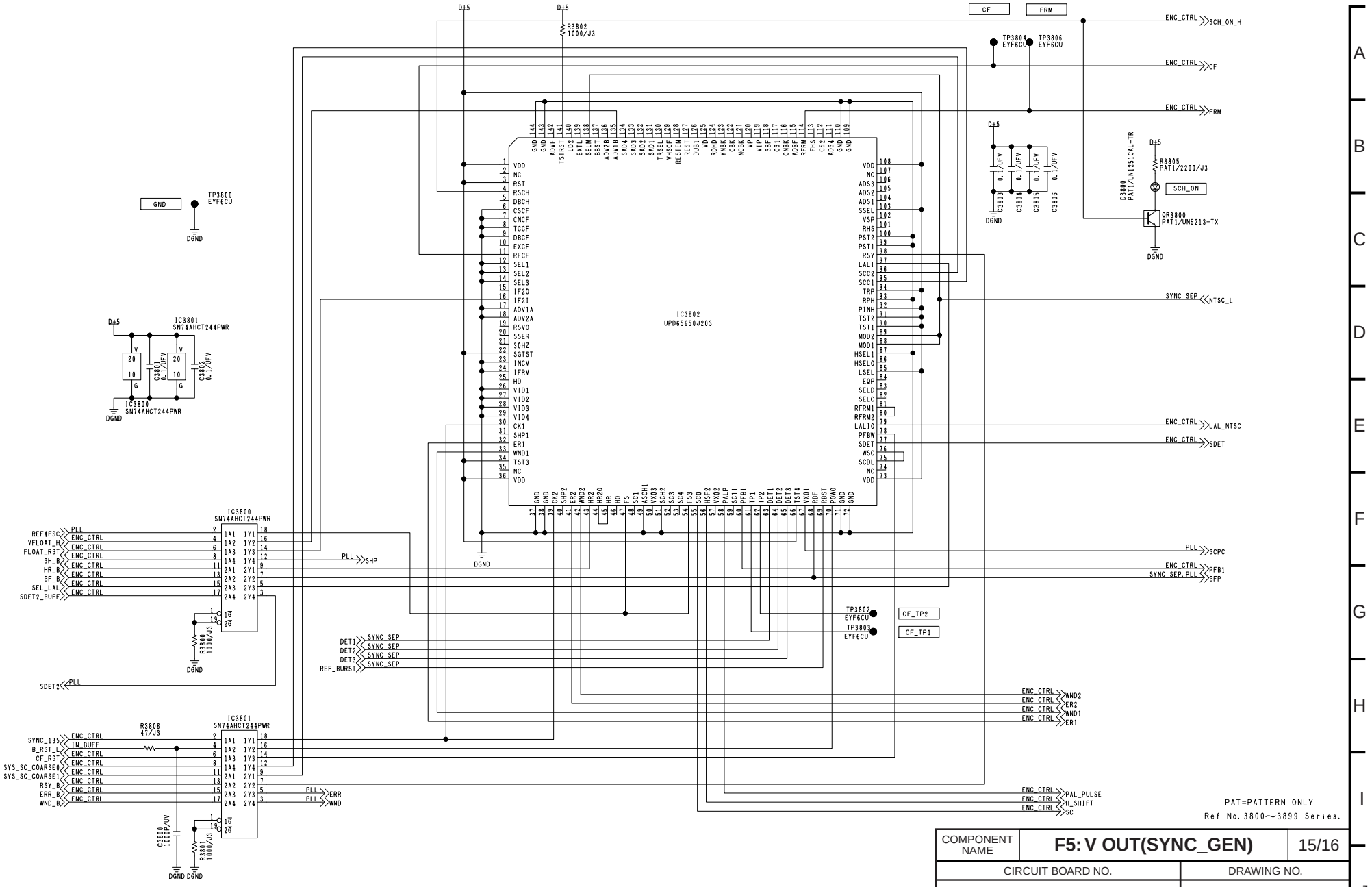
COMPONENT NAME	F5: V OUT(SYNC_SEP)	13/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (13/16) (0)
		SCM128

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

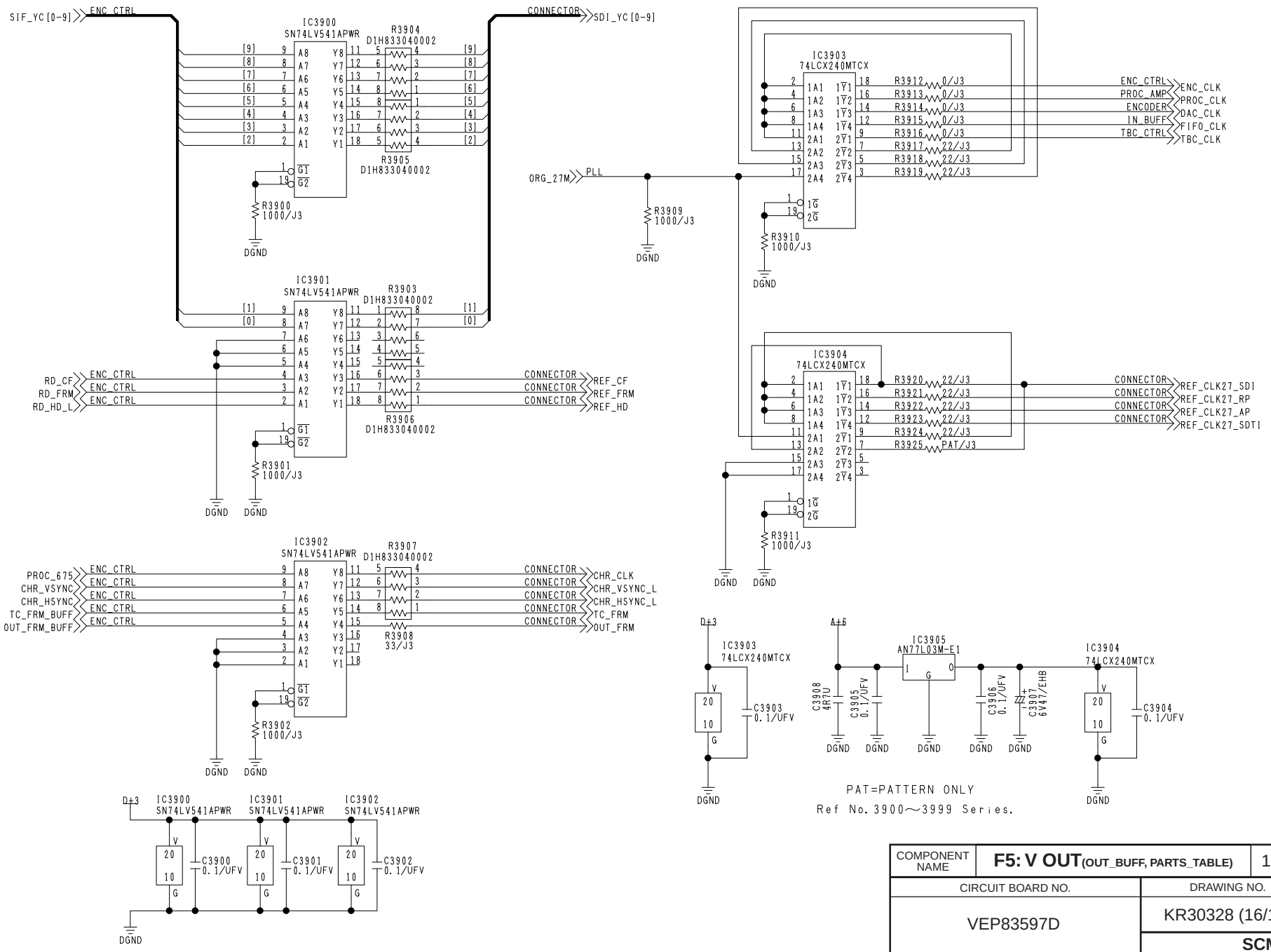


COMPONENT NAME	F5: V OUT(PLL)	14/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (14/16) (0)
		SCM129

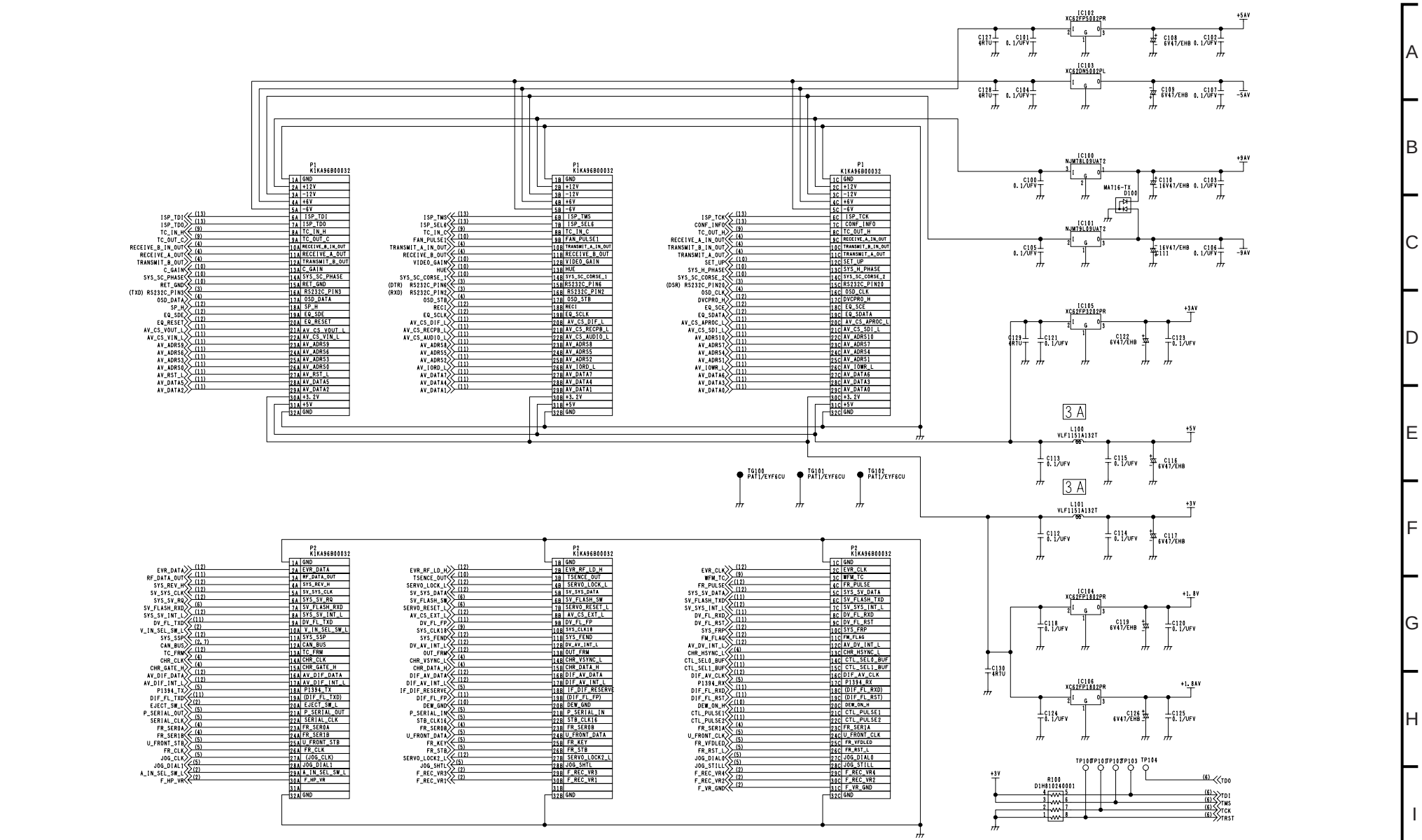


PAT=PATTERN ONLY
Ref No. 3800～3899 Series.

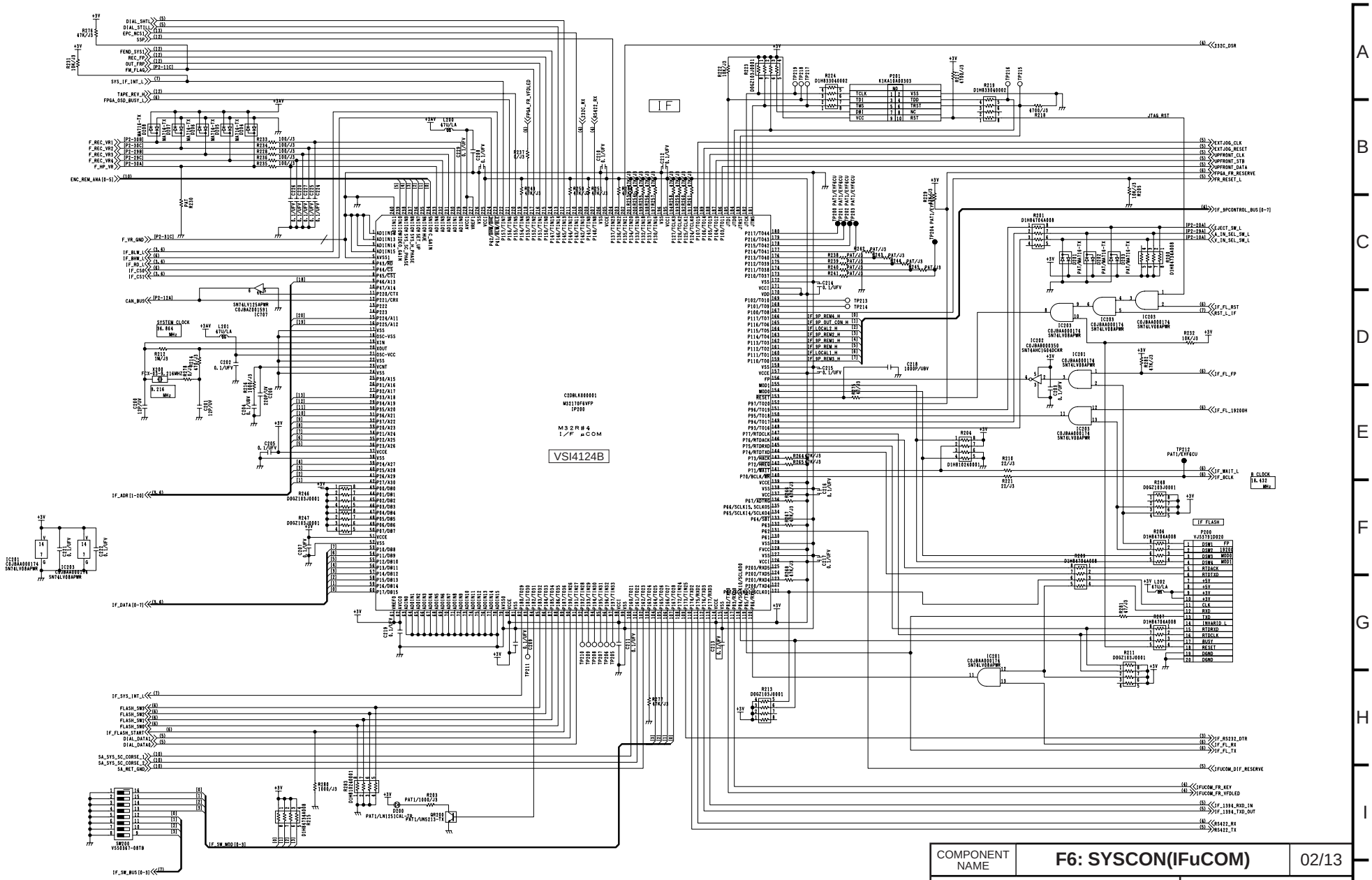
COMPONENT NAME	F5: V OUT(SYNC_GEN)	15/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (15/16) (0)
		SCM130



COMPONENT NAME	F5: V OUT (OUT_BUFF, PARTS_TABLE)	16/16
CIRCUIT BOARD NO.		DRAWING NO.
VEP83597D		KR30328 (16/16) (0)
		SCM131



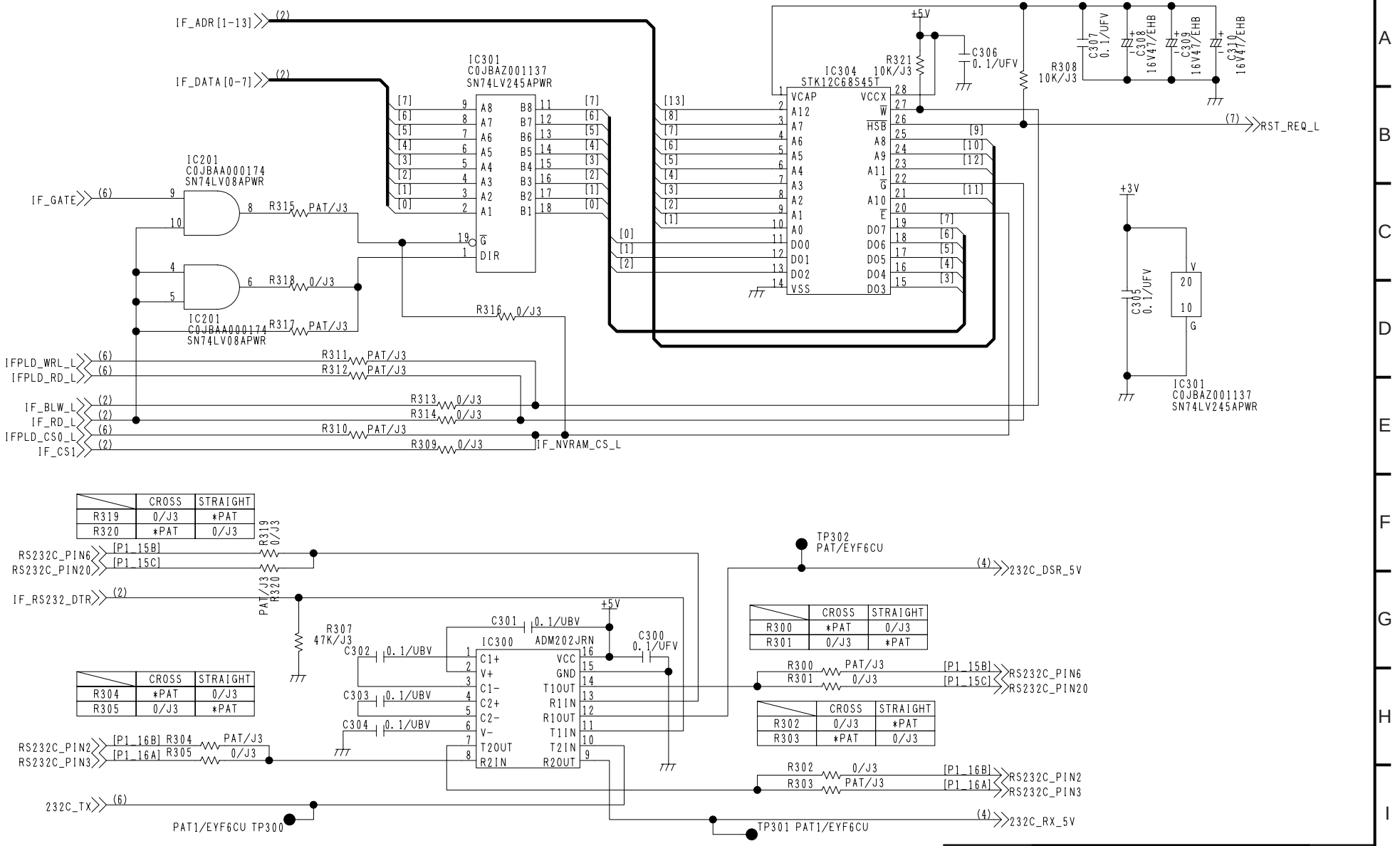
COMPONENT NAME	F6: SYSCON	01/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (1/13) (0)
		SCM132



COMPONENT NAME	**F6: SYSCON(IFuCOM)**	02/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (2/13)-1 (0)
		SCM133

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



	CROSS	STRAIGHT
R319	0/J3	*PAT
R320	*PAT	0/J3

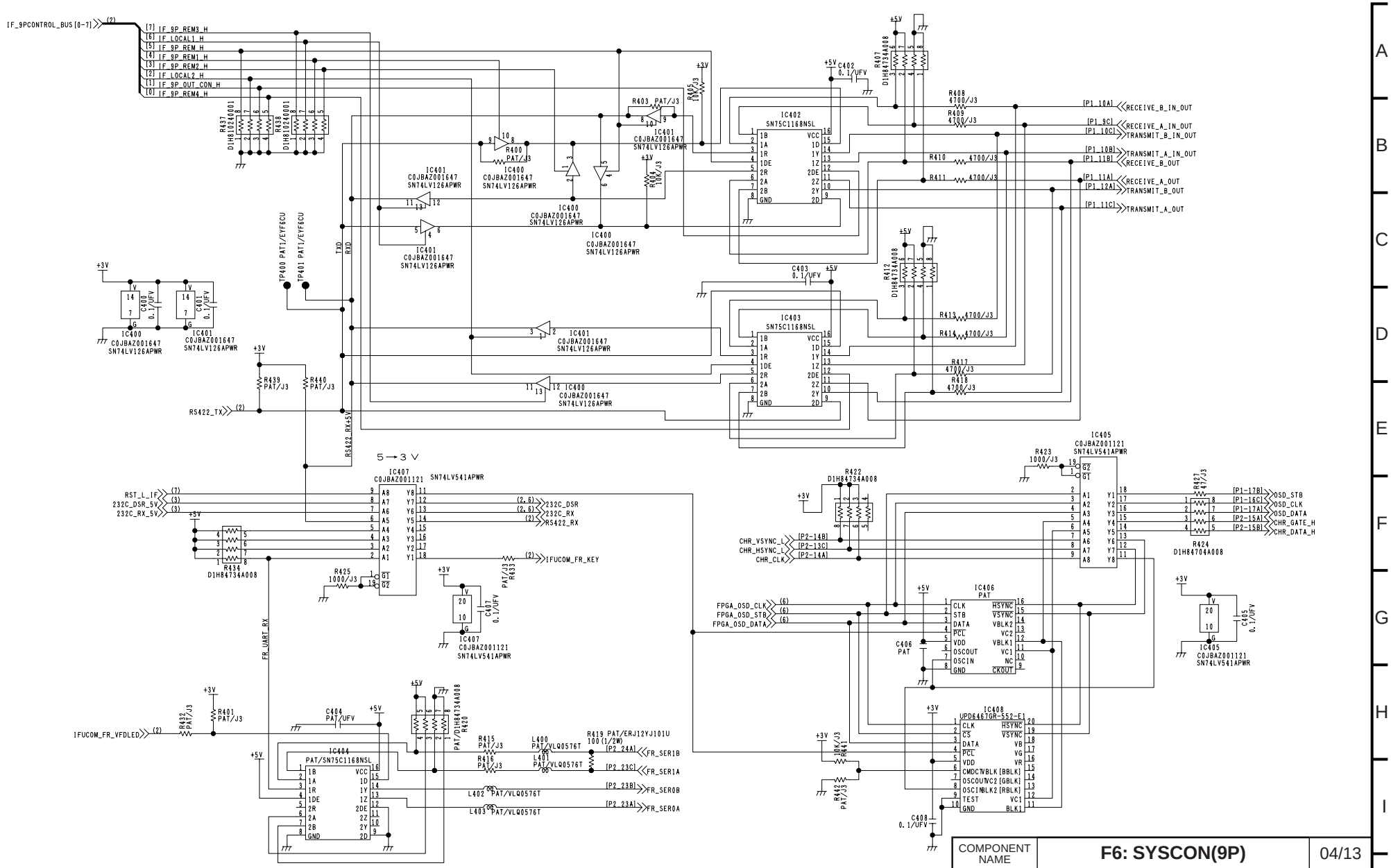
	CROSS	STRAIGHT
R304	*PAT	0/J3
R305	0/J3	*PAT

	CROSS	STRAIGHT
R300	*PAT	0/J3
R301	0/J3	*PAT

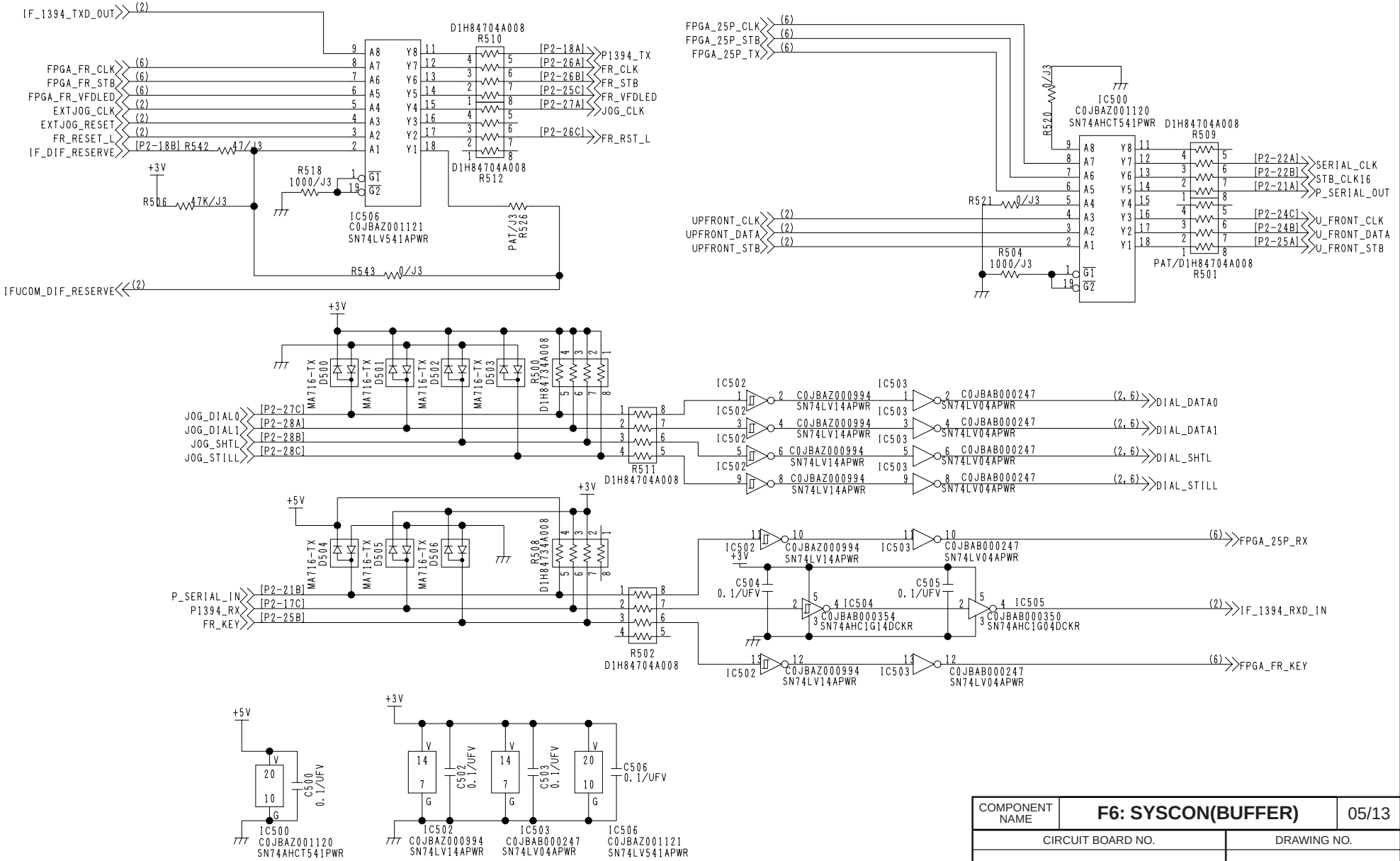
	CROSS	STRAIGHT
R302	0/J3	*PAT
R303	*PAT	0/J3

PAT=PATTERN ONLY
Ref No. 300 Series.

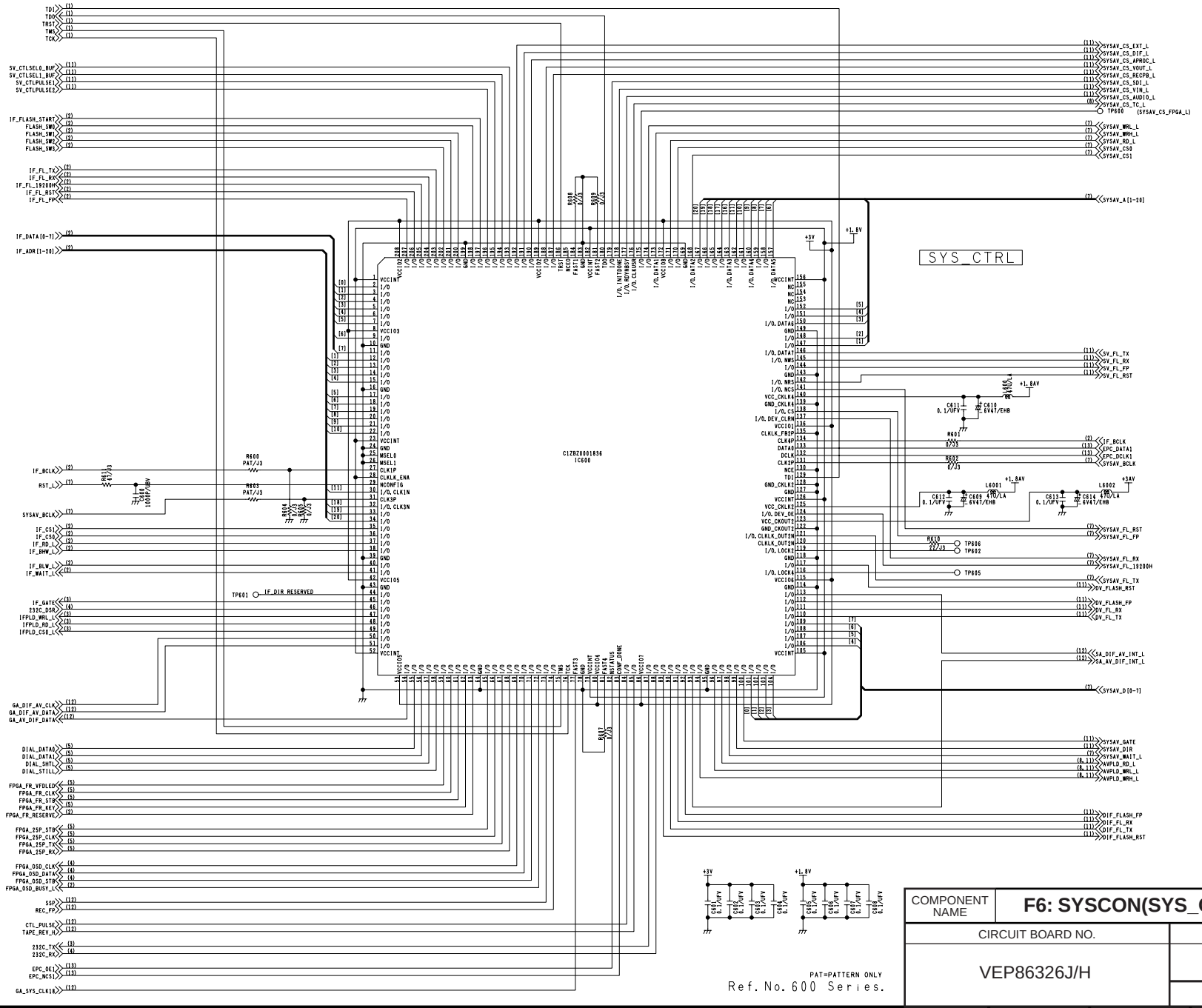
COMPONENT NAME	F6: SYSCON(NVRAM/232C)	03/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (3/13) (0)
		SCM134



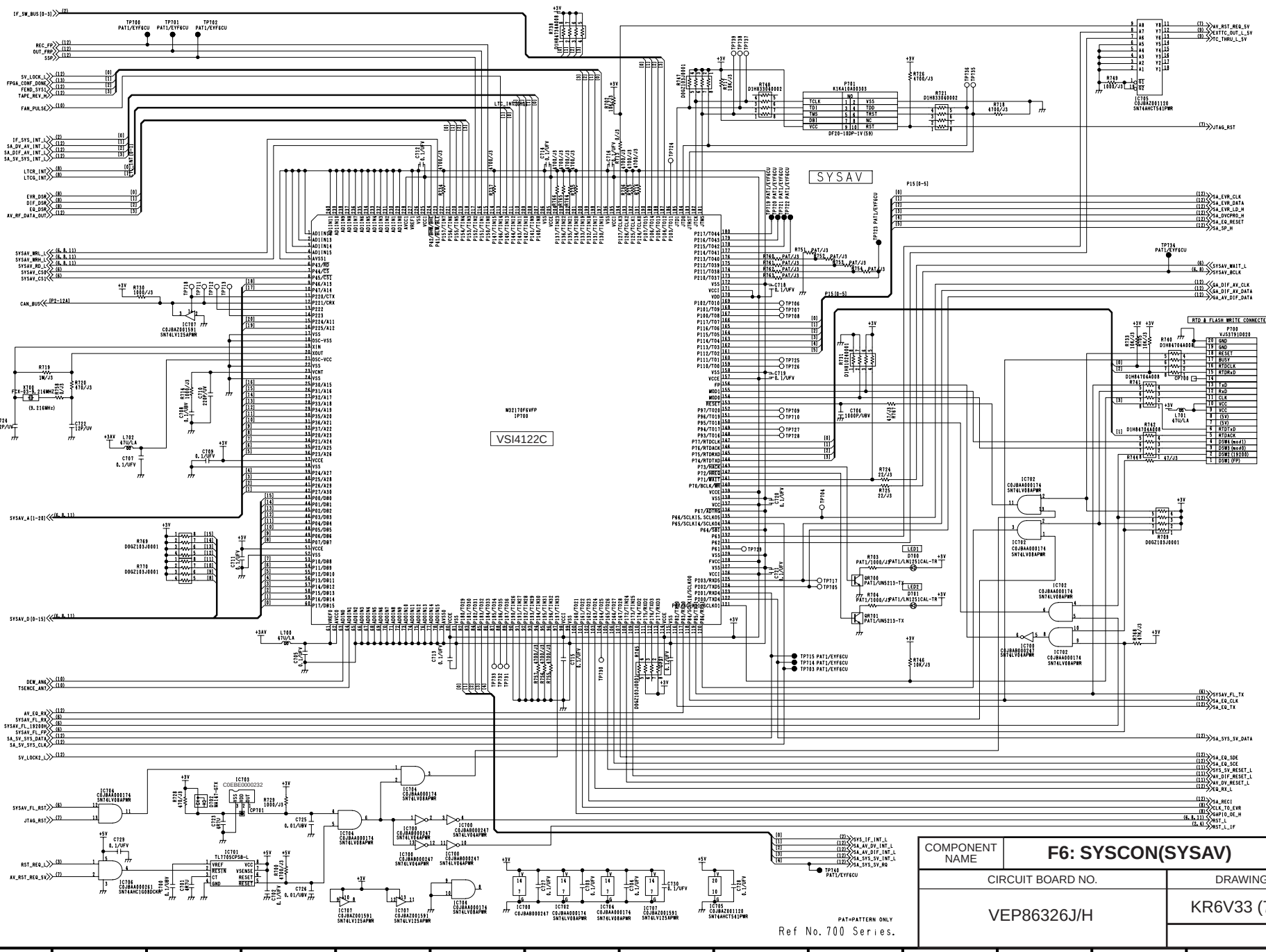
COMPONENT NAME	F6: SYSCON(9P)	04/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86326J/H	KR6V33 (4/13)-1 (0)	
	SCM135	



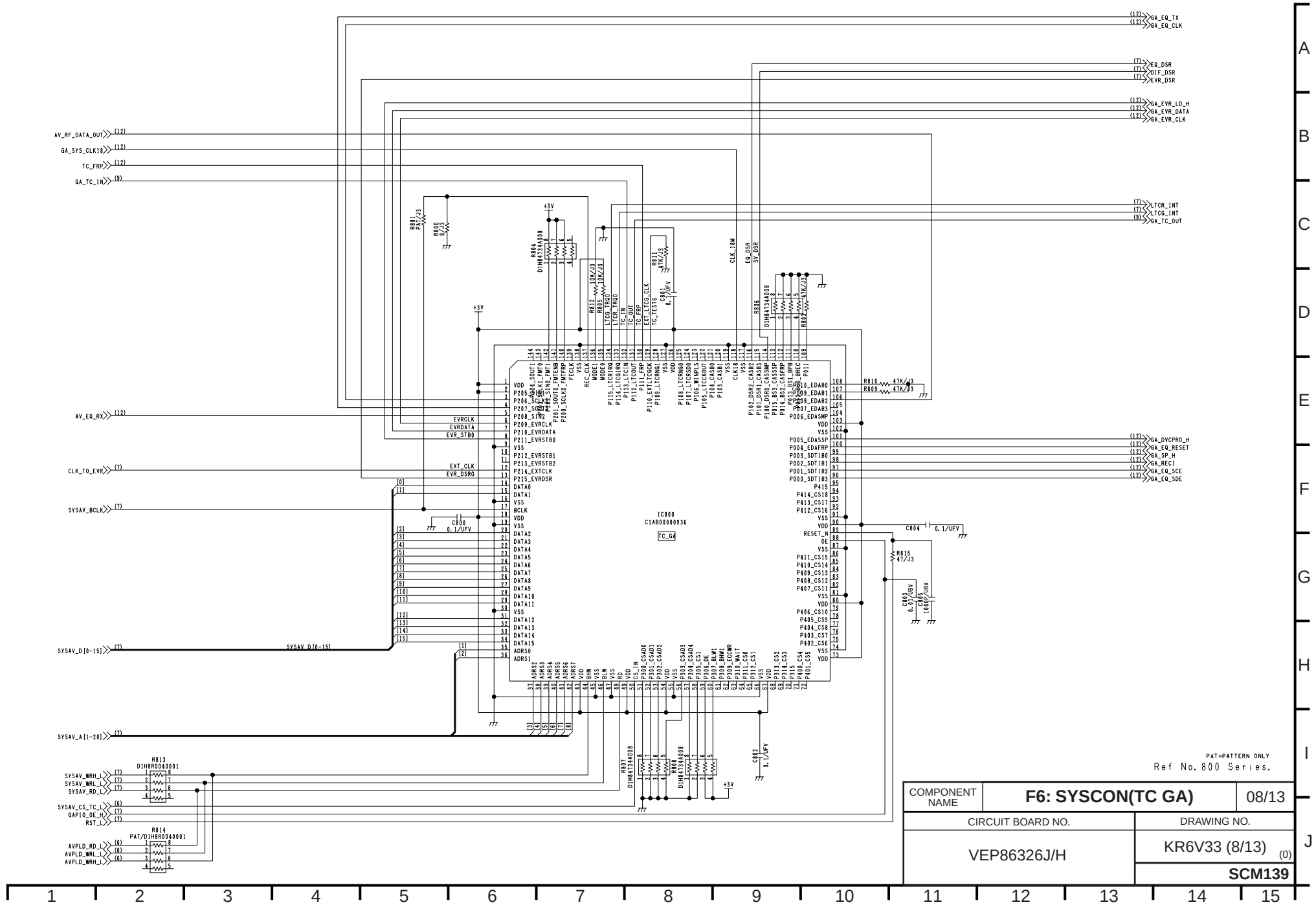
COMPONENT NAME	F6: SYSCON(BUFFER)	05/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (5/13) (0)
		SCM136



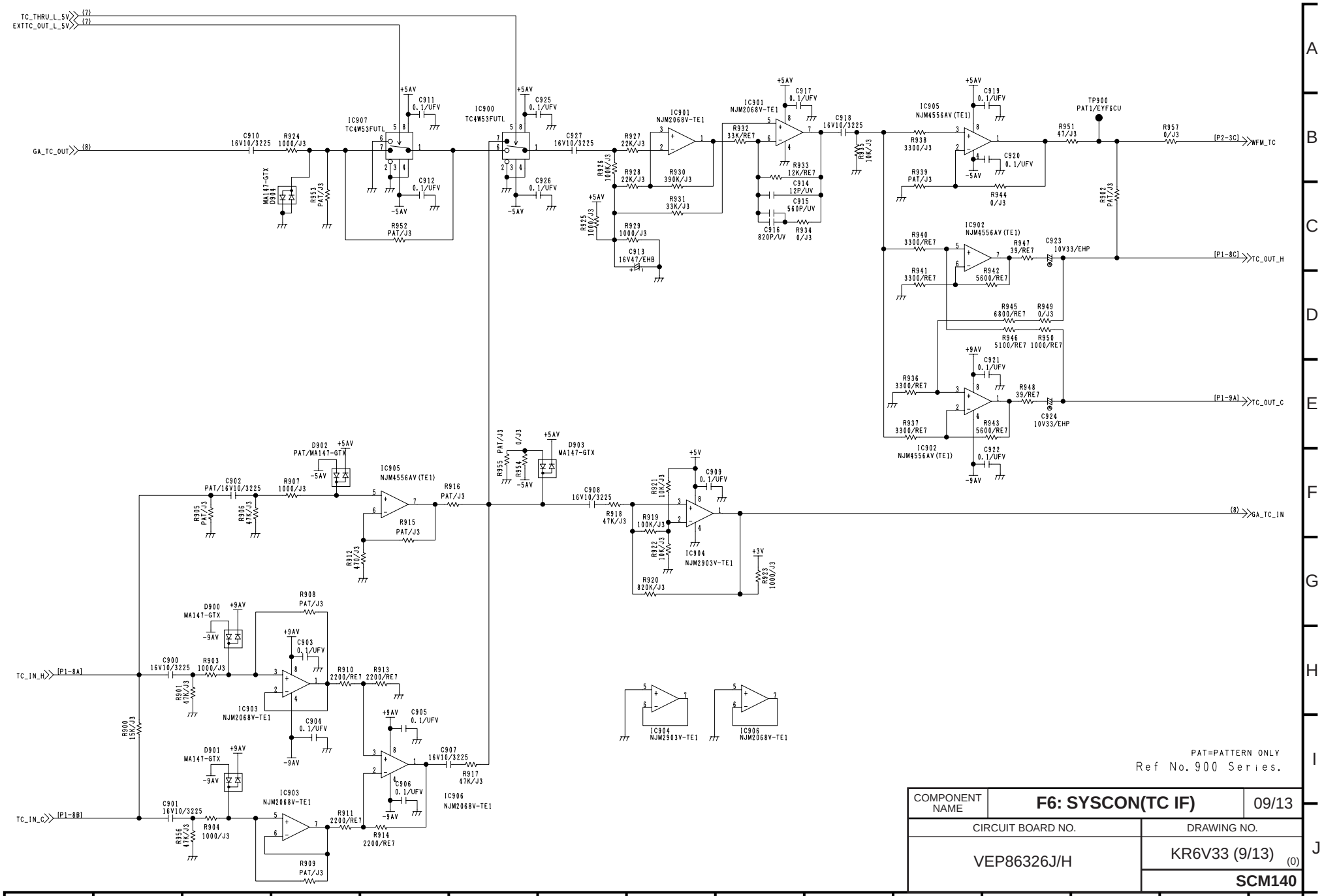
COMPONENT NAME	**F6: SYSCON(SYS_CTRL)**	06/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (6/13) (0)
		SCM137



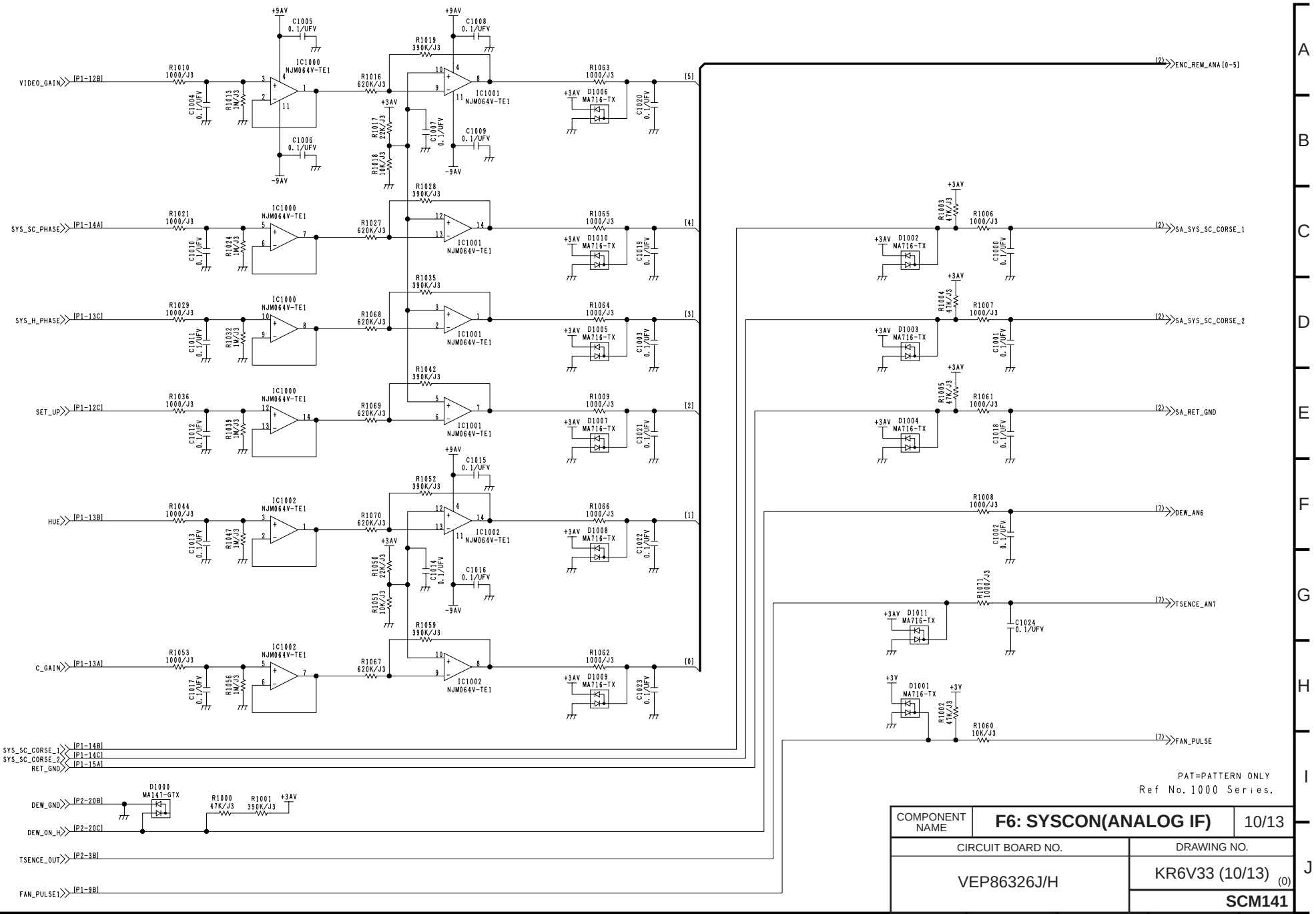
COMPONENT NAME	**F6: SYSCON(SYSAV)**		07/13
CIRCUIT BOARD NO.		DRAWING NO.	
VEP86326J/H		KR6V33 (7/13)-1 (0)	
		SCM138	

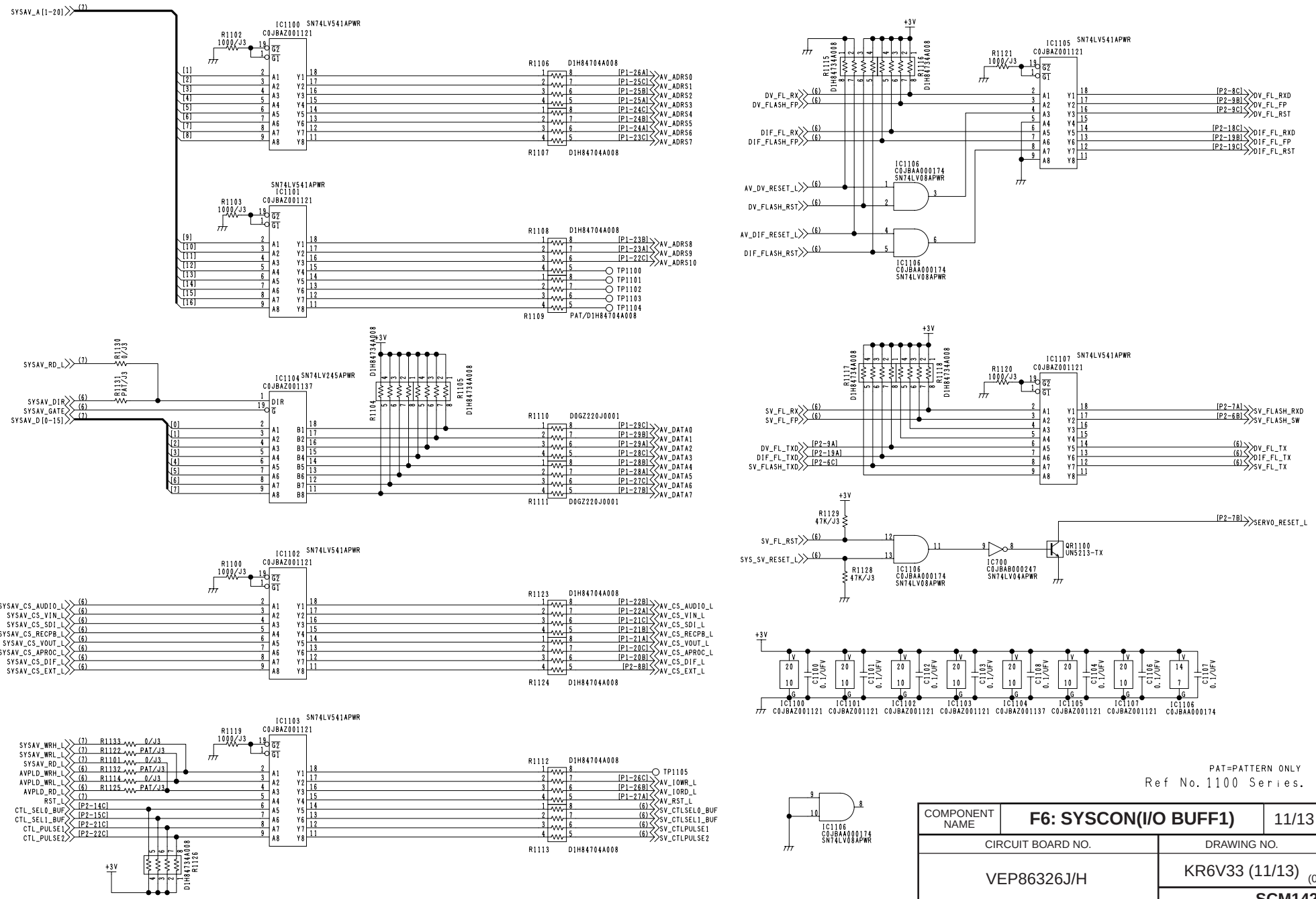


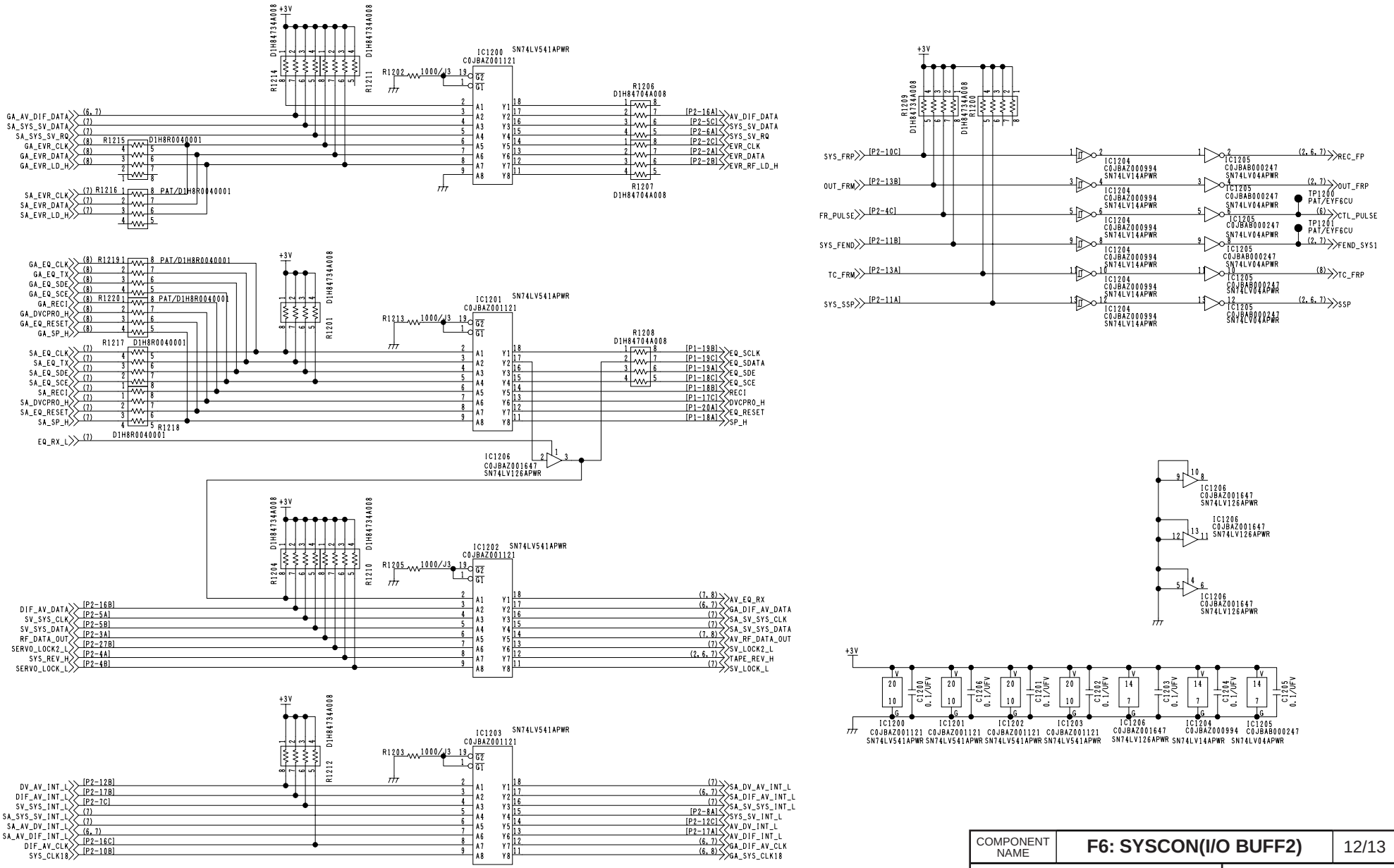
COMPONENT NAME	F6: SYSCON(TC GA)	08/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (8/13) (0)
		SCM139



COMPONENT NAME	F6: SYSCON(TC IF)	09/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (9/13) (0)
		SCM140


VIDEO_GAIN [P1-12B]
SYS_SC_PHASE [P1-14A]
SYS_H_PHASE [P1-13C]
SET_UP [P1-12C]
HUE [P1-13B]
C_GAIN [P1-13A]
SYS_SC_CORSE_1 [P1-14B]
SYS_SC_CORSE_2 [P1-14C]
RET_GND [P1-15A]
DEW_GND [P2-20B]
DEW_ON_H [P2-20C]
TSENCE_OUT [P2-3B]
FAN_PULSE1 [P1-9B]
ENC_REM_ANA [0-5]
SA_SYS_SC_CORSE_1
SA_SYS_SC_CORSE_2
SA_RET_GND
DEW_AN6
TSENCE_AN7
FAN_PULSE
+9AV
-9AV
+3AV
+3V
IC1000 NJM064V-TE1
IC1001 NJM064V-TE1
IC1002 NJM064V-TE1
D1000 MA147-GTX
D1001 MA716-TX
D1002 MA716-TX
D1003 MA716-TX
D1004 MA716-TX
D1005 MA716-TX
D1006 MA716-TX
D1007 MA716-TX
D1008 MA716-TX
D1009 MA716-TX
D1010 MA716-TX
D1011 MA716-TX
PAT=PATTERN ONLY
Ref No. 1000 Series.
COMPONENT NAME
F6: SYSCON(ANALOG IF)
10/13
CIRCUIT BOARD NO.
VEP86326J/H
DRAWING NO.
KR6V33 (10/13) (0)
SCM141

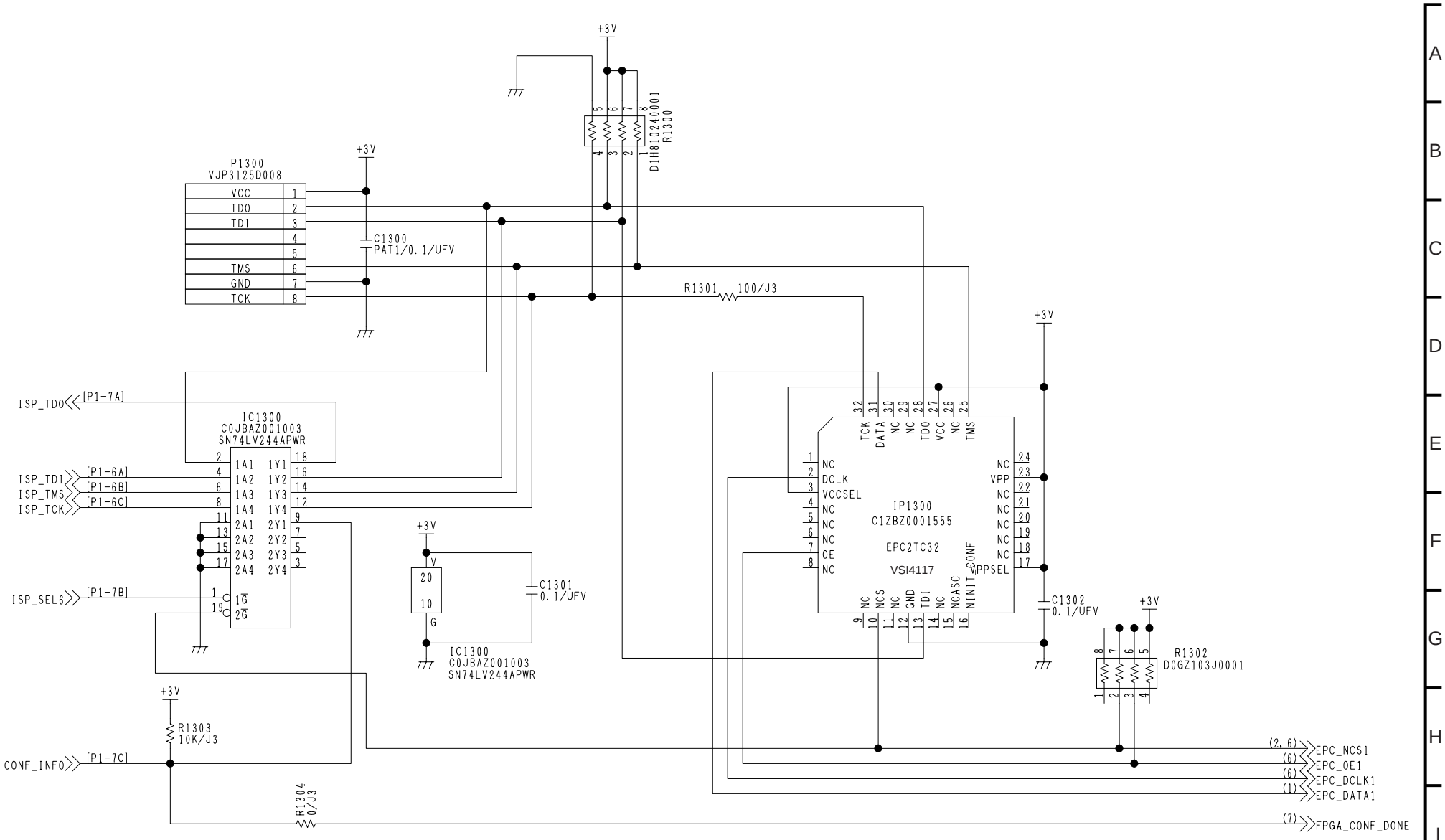

SYSAV_A[1-20]
IC1100 SN74LV541APWR C0JBAZ001121
R1102 1000/J3
R1106 D1H84704A008
R1107 D1H84704A008
AV_ADRS0
AV_ADRS1
AV_ADRS2
AV_ADRS3
AV_ADRS4
AV_ADRS5
AV_ADRS6
AV_ADRS7
IC1101 SN74LV541APWR C0JBAZ001121
R1103 1000/J3
R1108 D1H84704A008
R1109 PAT/D1H84704A008
AV_ADRS8
AV_ADRS9
AV_ADRS10
TP1100
TP1101
TP1102
TP1103
TP1104
SYSAV_RD_L
SYSAV_DIR
SYSAV_GATE
SYSAV_D[0-15]
R1130 0/J3
R1131 PAT/J3
IC1104 SN74LV245APWR C0JBAZ001137
R1104 D1H84734A008
R1105 D1H84734A008
R1110 D0GZ220J0001
R1111 D0GZ220J0001
AV_DATA0
AV_DATA1
AV_DATA2
AV_DATA3
AV_DATA4
AV_DATA5
AV_DATA6
AV_DATA7
SYSAV_CS_AUDIO_L
SYSAV_CS_VIN_L
SYSAV_CS_SDI_L
SYSAV_CS_RECPB_L
SYSAV_CS_VOUT_L
SYSAV_CS_APROC_L
SYSAV_CS_DIF_L
SYSAV_CS_EXT_L
IC1102 SN74LV541APWR C0JBAZ001121
R1100 1000/J3
R1123 D1H84704A008
R1124 D1H84704A008
AV_CS_AUDIO_L
AV_CS_VIN_L
AV_CS_SDI_L
AV_CS_RECPB_L
AV_CS_VOUT_L
AV_CS_APROC_L
AV_CS_DIF_L
AV_CS_EXT_L
SYSAV_WRH_L
SYSAV_WRL_L
SYSAV_RD_L
AVPLD_WRH_L
AVPLD_WRL_L
AVPLD_RD_L
RST_L
CTL_SEL0_BUF
CTL_SEL1_BUF
CTL_PULSE1
CTL_PULSE2
R1133 0/J3
R1122 PAT/J3
R1101 0/J3
R1132 PAT/J3
R1114 0/J3
R1125 PAT/J3
IC1103 SN74LV541APWR C0JBAZ001121
R1119 1000/J3
R1112 D1H84704A008
R1113 D1H84704A008
TP1105
AV_IOWR_L
AV_IORD_L
AV_RST_L
SV_CTLSEL0_BUF
SV_CTLSEL1_BUF
SV_CTLPULSE1
SV_CTLPULSE2
R1126 D1H84734A008
+3V
R1115 D1H84734A008
R1116 D1H84734A008
IC1105 SN74LV541APWR C0JBAZ001121
R1121 1000/J3
DV_FL_RX
DV_FLASH_FP
DIF_FL_RX
DIF_FLASH_FP
DV_FL_RXD
DV_FL_FP
DV_FL_RST
DIF_FL_RXD
DIF_FL_FP
DIF_FL_RST
IC1106 C0JBAA000174 SN74LV08APWR
AV_DV_RESET_L
DV_FLASH_RST
AV_DIF_RESET_L
DIF_FLASH_RST
R1117 D1H84734A008
R1118 D1H84734A008
IC1107 SN74LV541APWR C0JBAZ001121
R1120 1000/J3
SV_FL_RX
SV_FL_FP
DV_FL_TXD
DIF_FL_TXD
SV_FLASH_TXD
SV_FLASH_RXD
SV_FLASH_SW
DV_FL_TX
DIF_FL_TX
SV_FL_TX
R1129 47K/J3
R1128 47K/J3
SV_FL_RST
SYS_SV_RESET_L
IC700 C0JBAB000247 SN74LV04APWR
QR1100 UN5213-TX
SERVO_RESET_L
C1100 0.1/DFV
C1101 0.1/DFV
C1102 0.1/DFV
C1103 0.1/DFV
C1108 0.1/DFV
C1104 0.1/DFV
C1106 0.1/DFV
C1107 0.1/DFV
PAT=PATTERN ONLY
Ref No. 1100 Series.
COMPONENT NAME
F6: SYSCON(I/O BUFF1)
11/13
CIRCUIT BOARD NO.
VEP86326J/H
DRAWING NO.
KR6V33 (11/13) (0)
SCM142



PAT=PATTERN ONLY

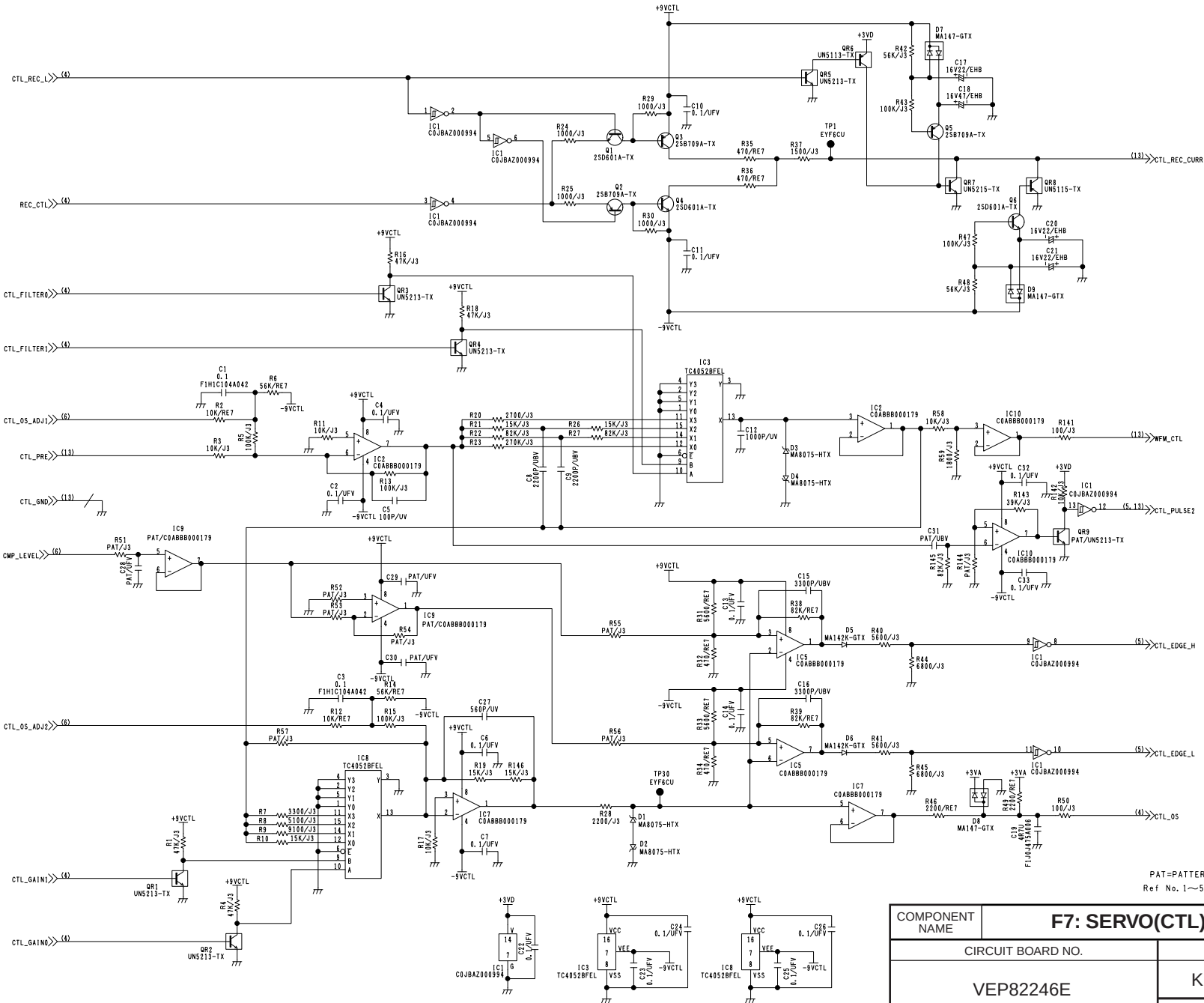
Ref No. 1200 Series.

COMPONENT NAME	F6: SYSCON(I/O BUFF2)	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (12/13) (0)
		SCM143



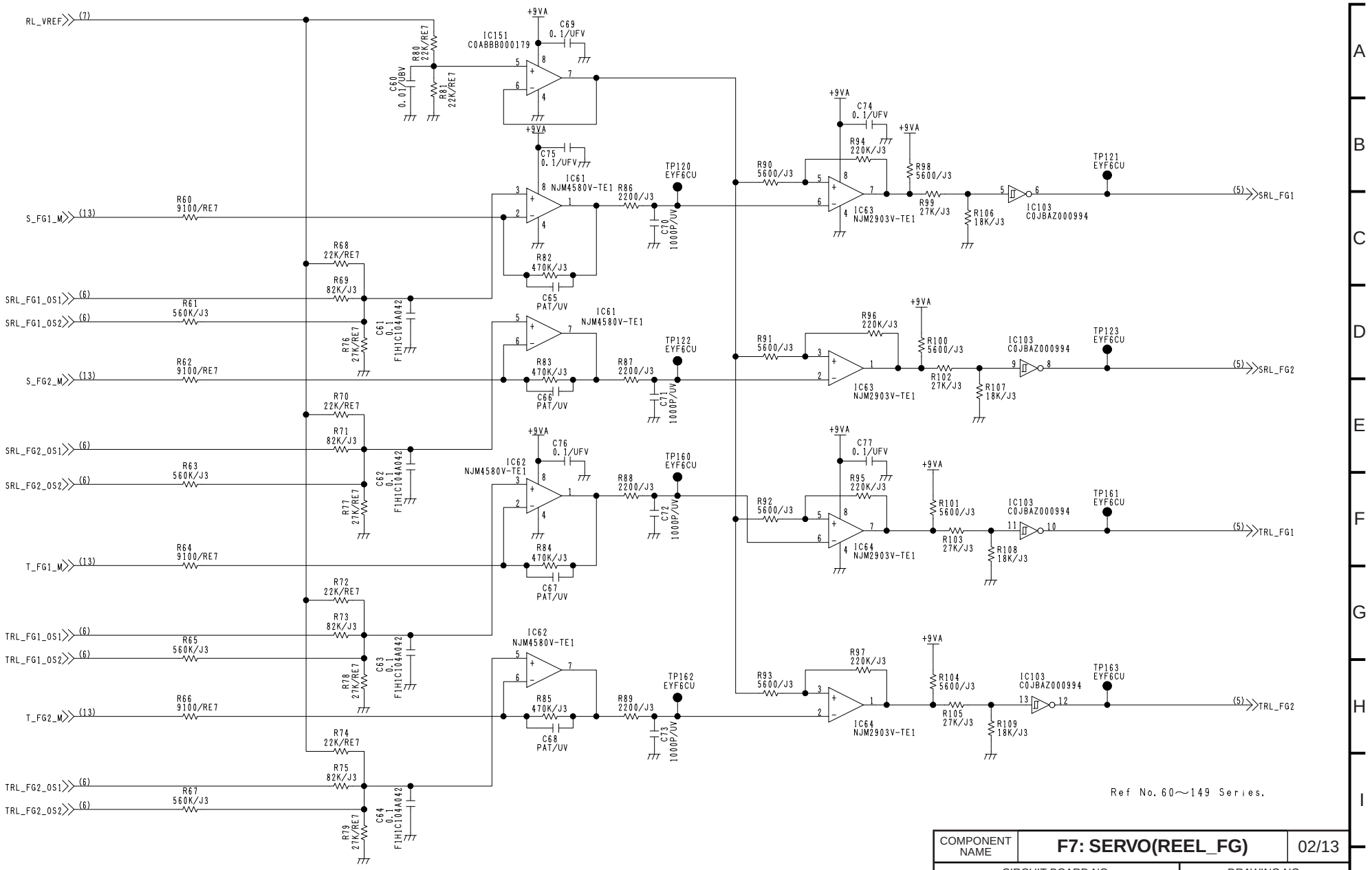
PAT=PATTERN ONLY
Ref No. 1300 Series.

COMPONENT NAME	F6: SYSCON(ISP)	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP86326J/H		KR6V33 (13/13) (0)
		SCM144

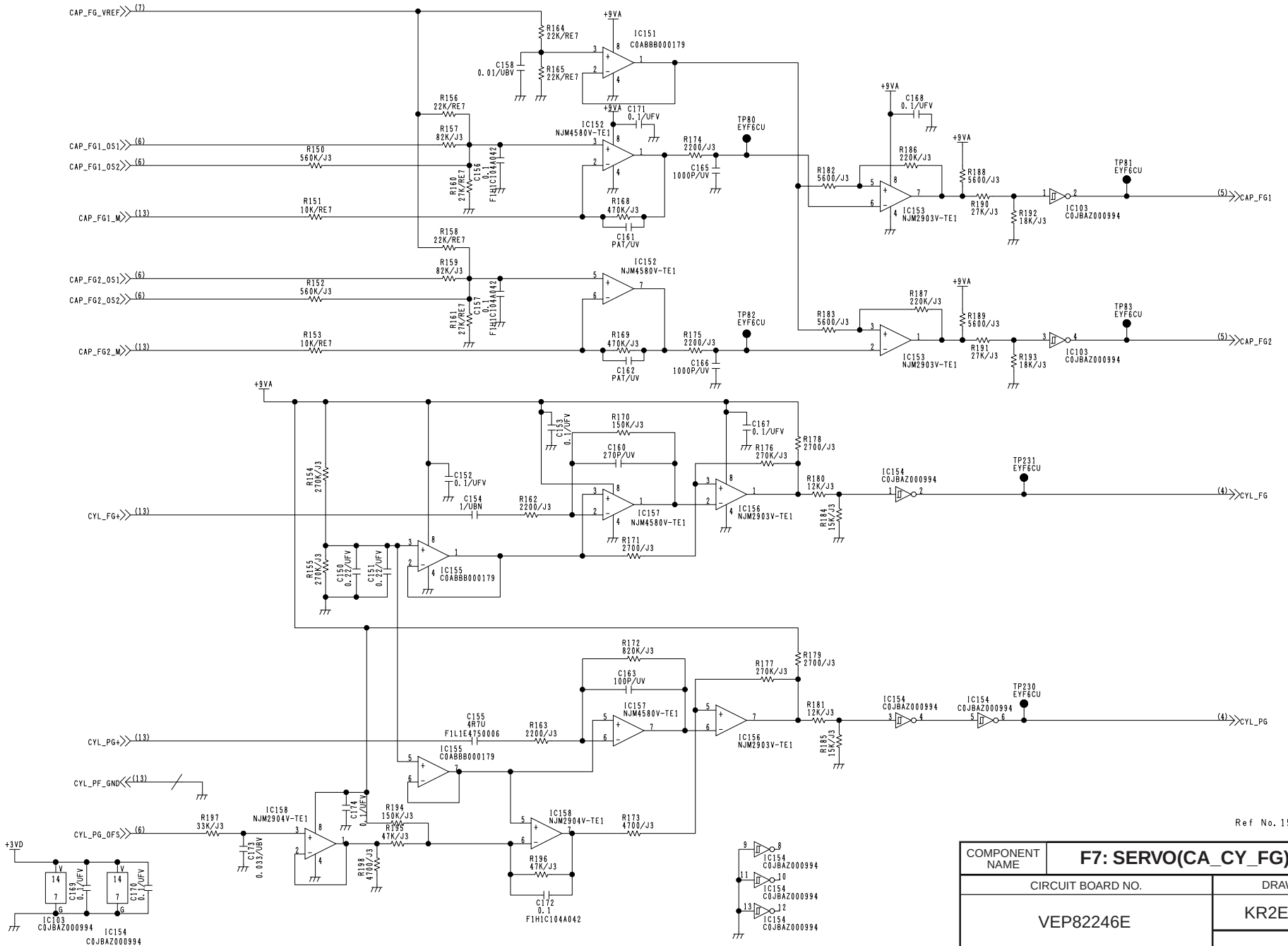


PAT=PATTERN ONLY
Ref No. 1～59 Series.

COMPONENT NAME	F7: SERVO(CTL)	01/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (1/13) (0)
		SCM145

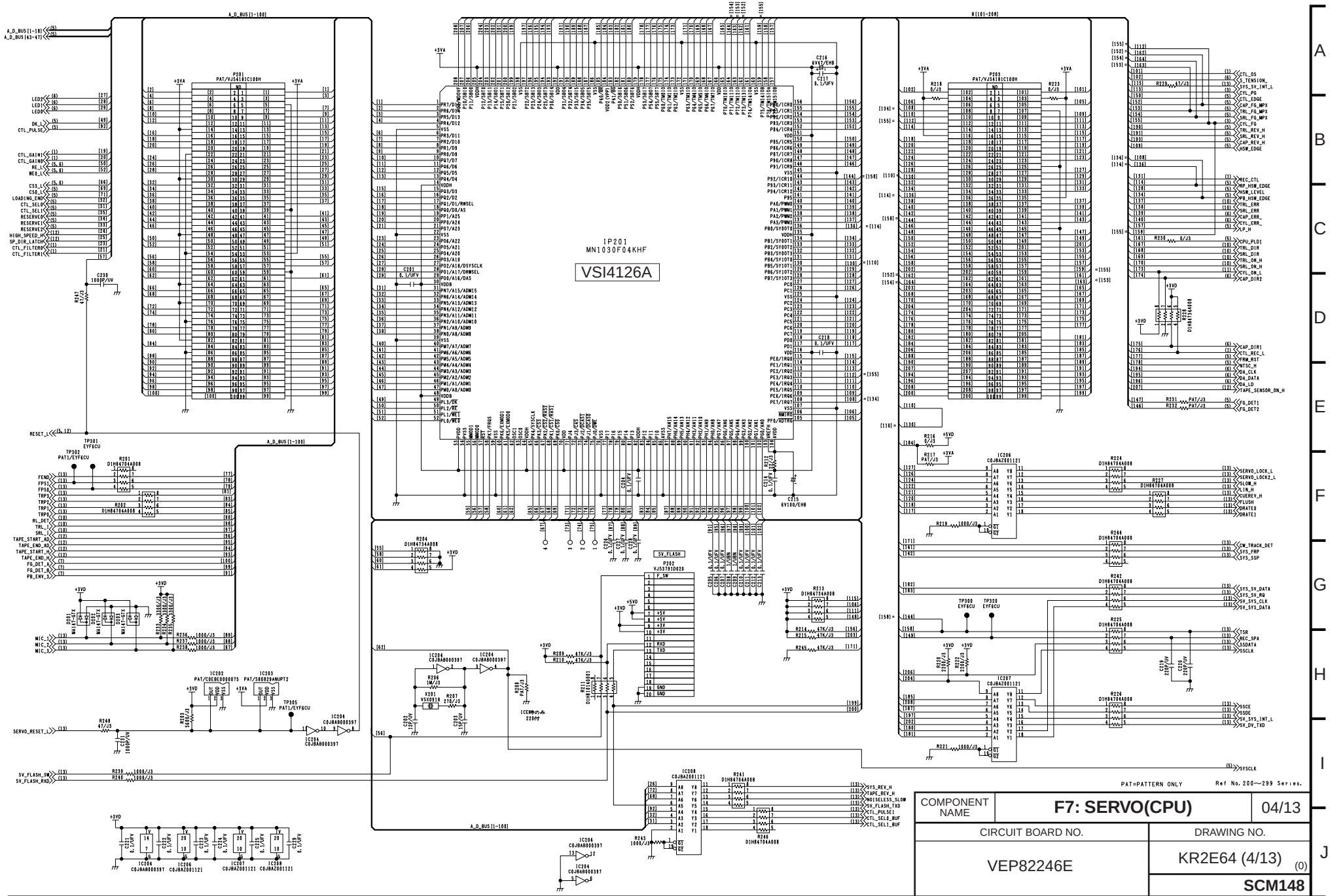


COMPONENT NAME	**F7: SERVO(REEL_FG)**	02/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246E	KR2E64 (2/13) (0)	
	SCM146	



Ref No. 150～199 Series.

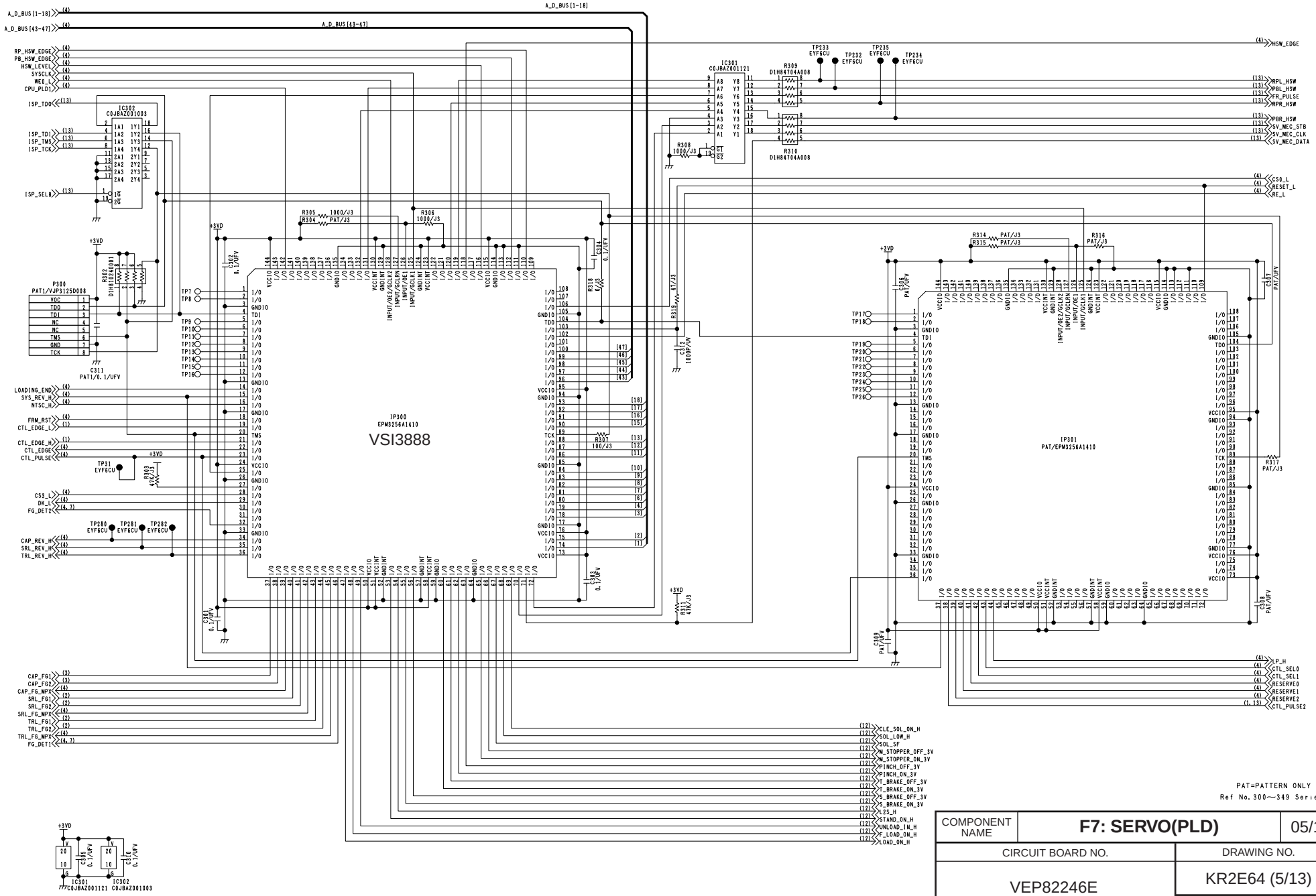
COMPONENT NAME	F7: SERVO(CA_CY_FG)	03/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246E	KR2E64 (3/13) (0)	
	SCM147	

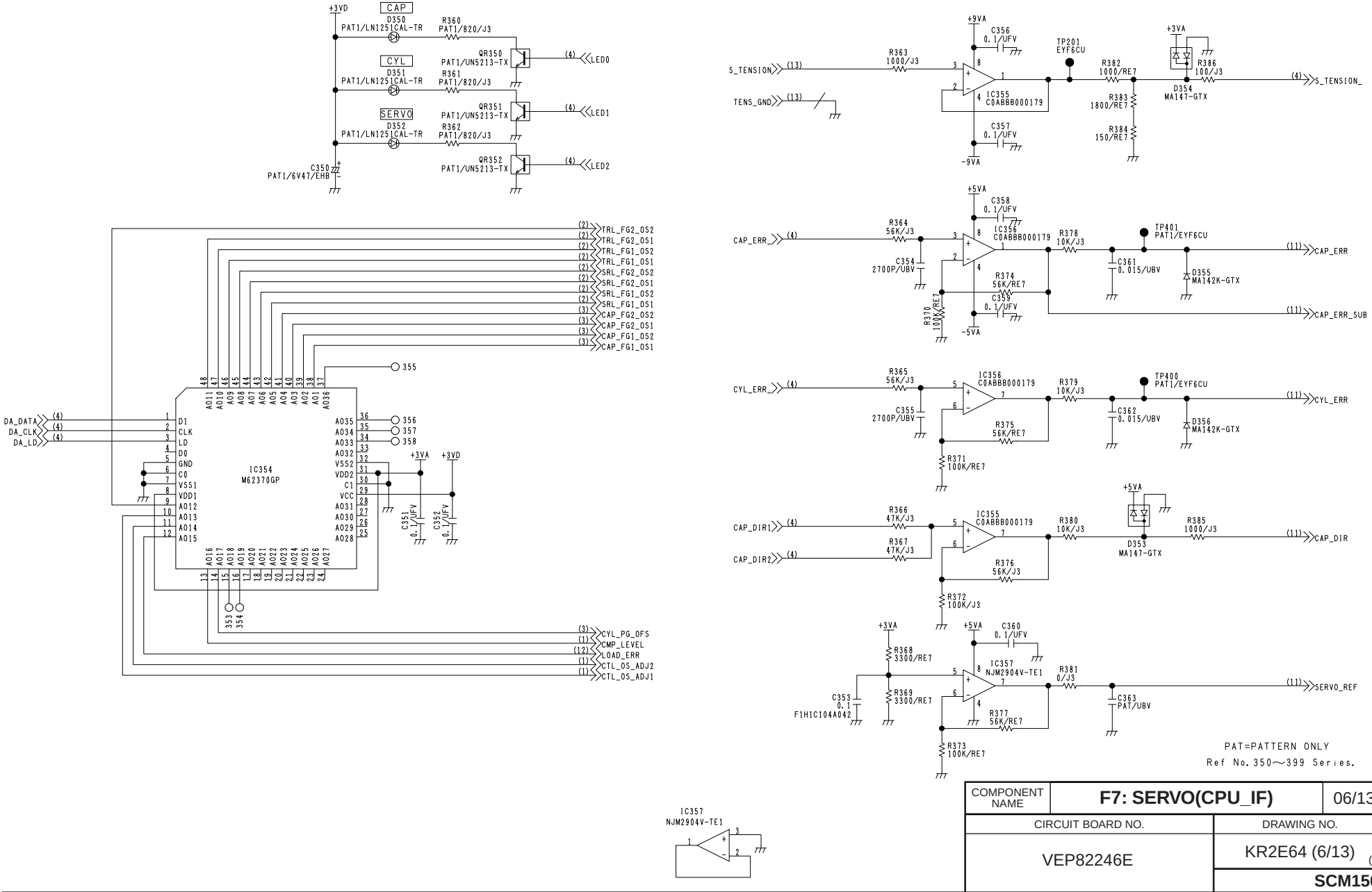


COMPONENT NAME	**F7: SERVO(CPU)**	04/13
CIRCUIT BOARD NO.	DRAWING NO.	
VEP82246E	KR2E64 (4/13) (0)	
	SCM148	

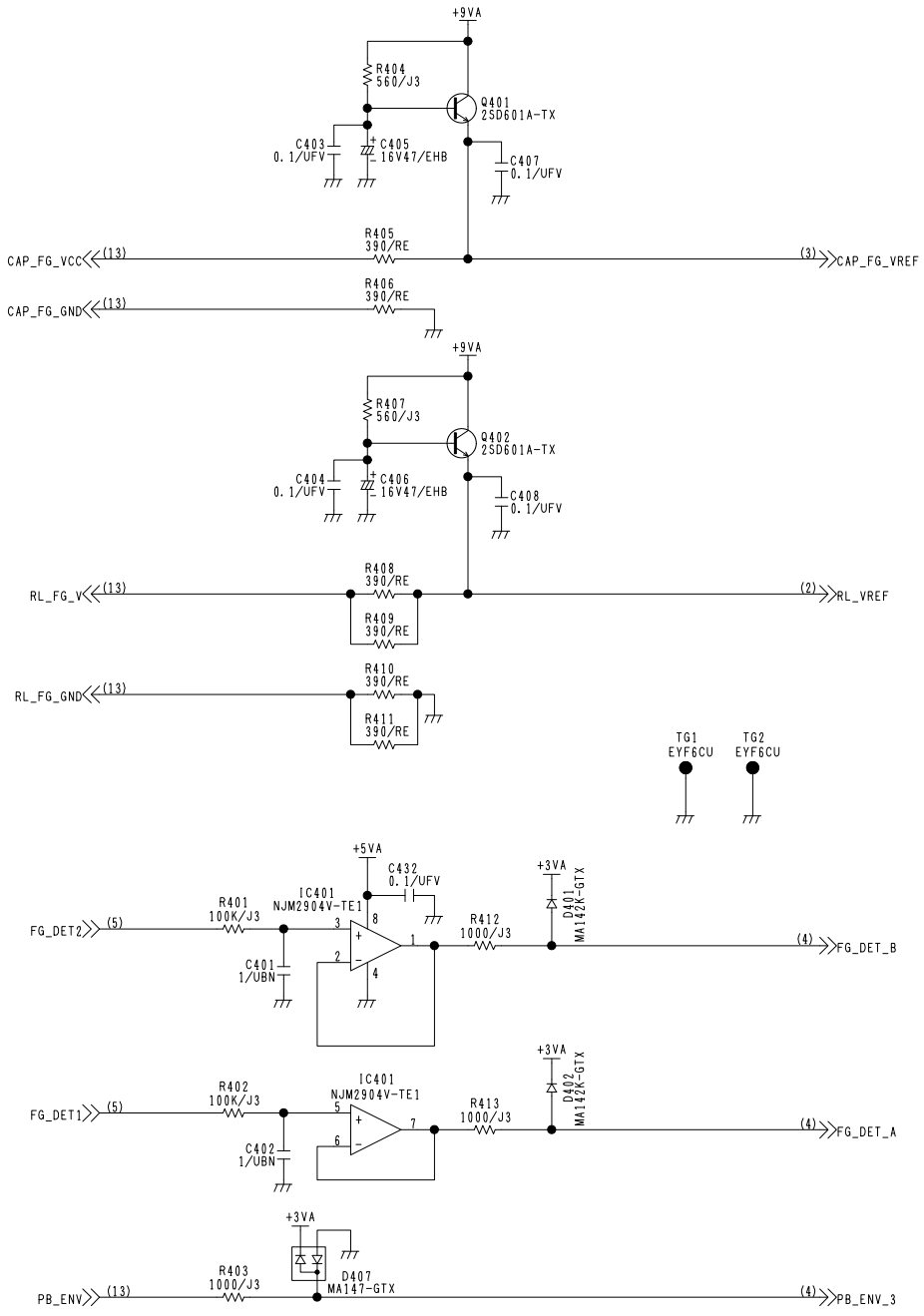
A B C D E F G H I J

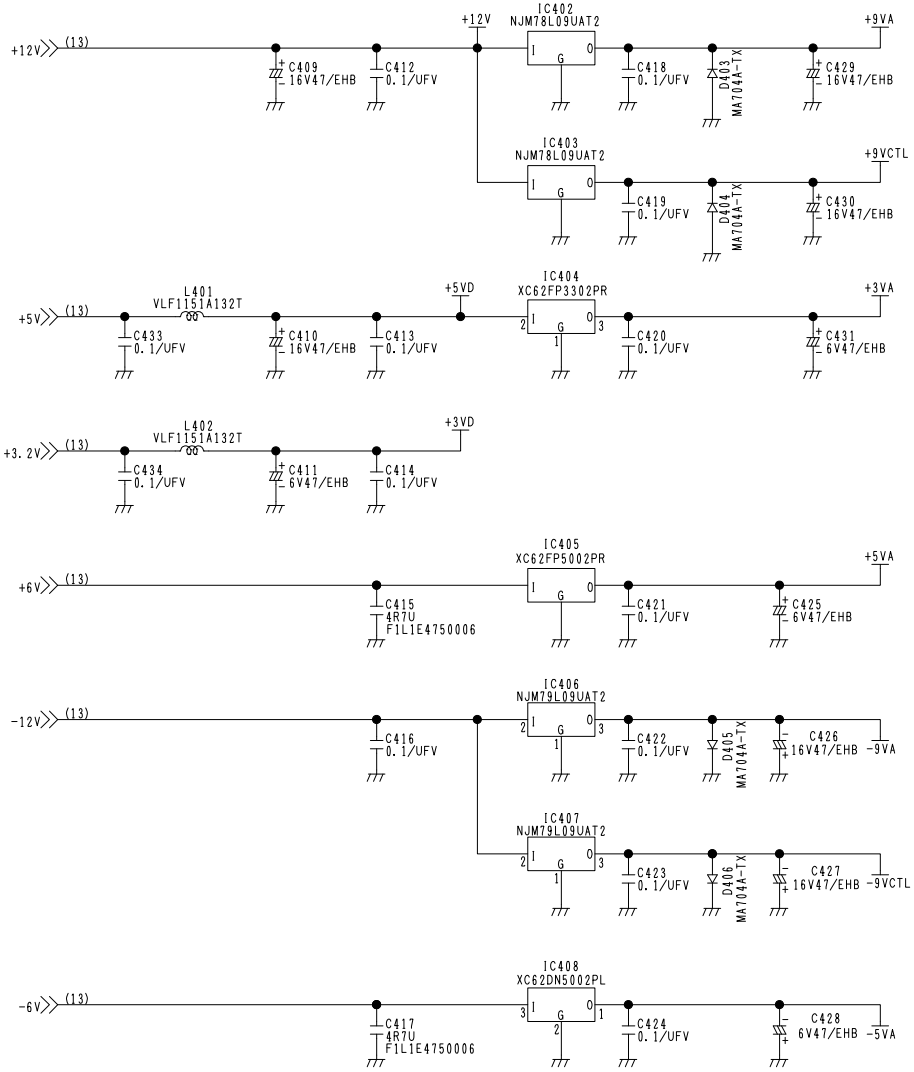
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15


A_D_BUS[1-18]
A_D_BUS[43-47]
IP300
EPM3256A1410
VSI3888
IP301
PAT/EPM3256A1410
IC301
C6JBAZ001121
IC302
C6JBAZ001003
P300
PAT1/VJP3125D008
PAT=PATTERN ONLY
Ref No.300～349 Series.
COMPONENT NAME
F7: SERVO(PLD)
05/13
CIRCUIT BOARD NO.
VEP82246E
DRAWING NO.
KR2E64 (5/13) (0)
SCM149



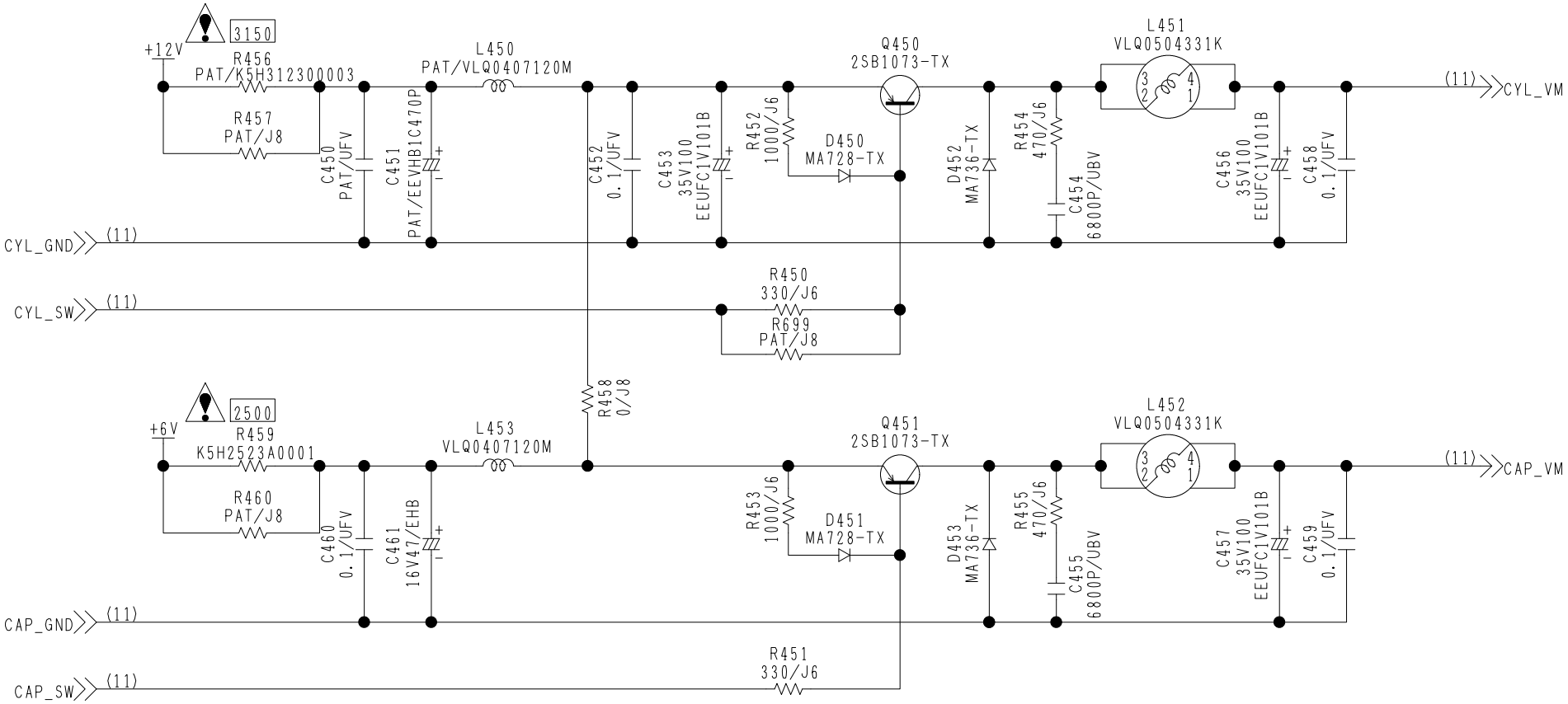
COMPONENT NAME	F7: SERVO(CPU_IF)	06/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (6/13) (0)
		SCM150





Ref No. 400～449 Series.

COMPONENT NAME	F7: SERVO(POWER)	07/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (7/13) (0)
		SCM151



PAT=PATTERN ONLY

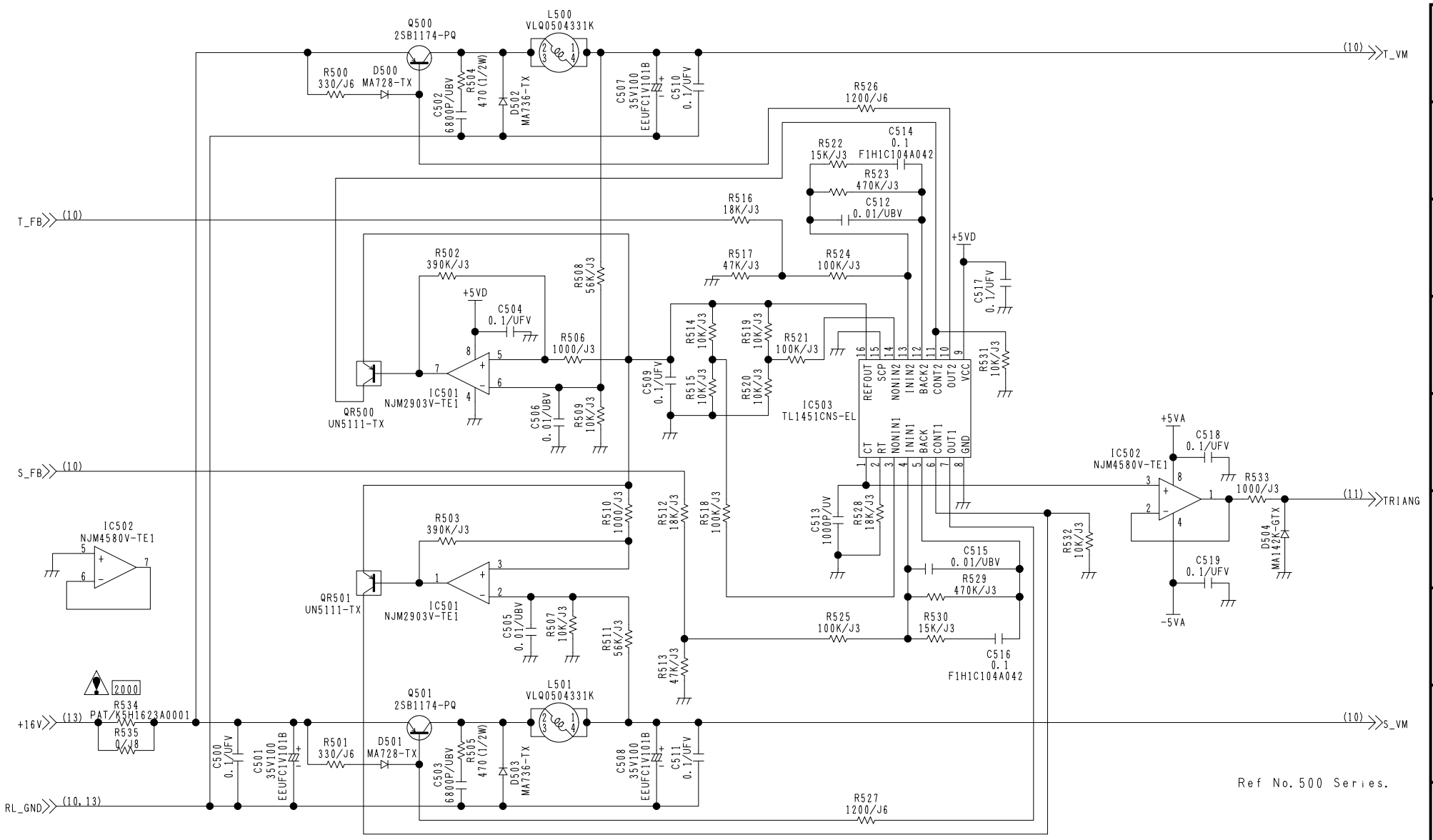
Ref No. 450 Series.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	F7: SERVO(SW2)	08/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (8/13) (0)
		SCM152

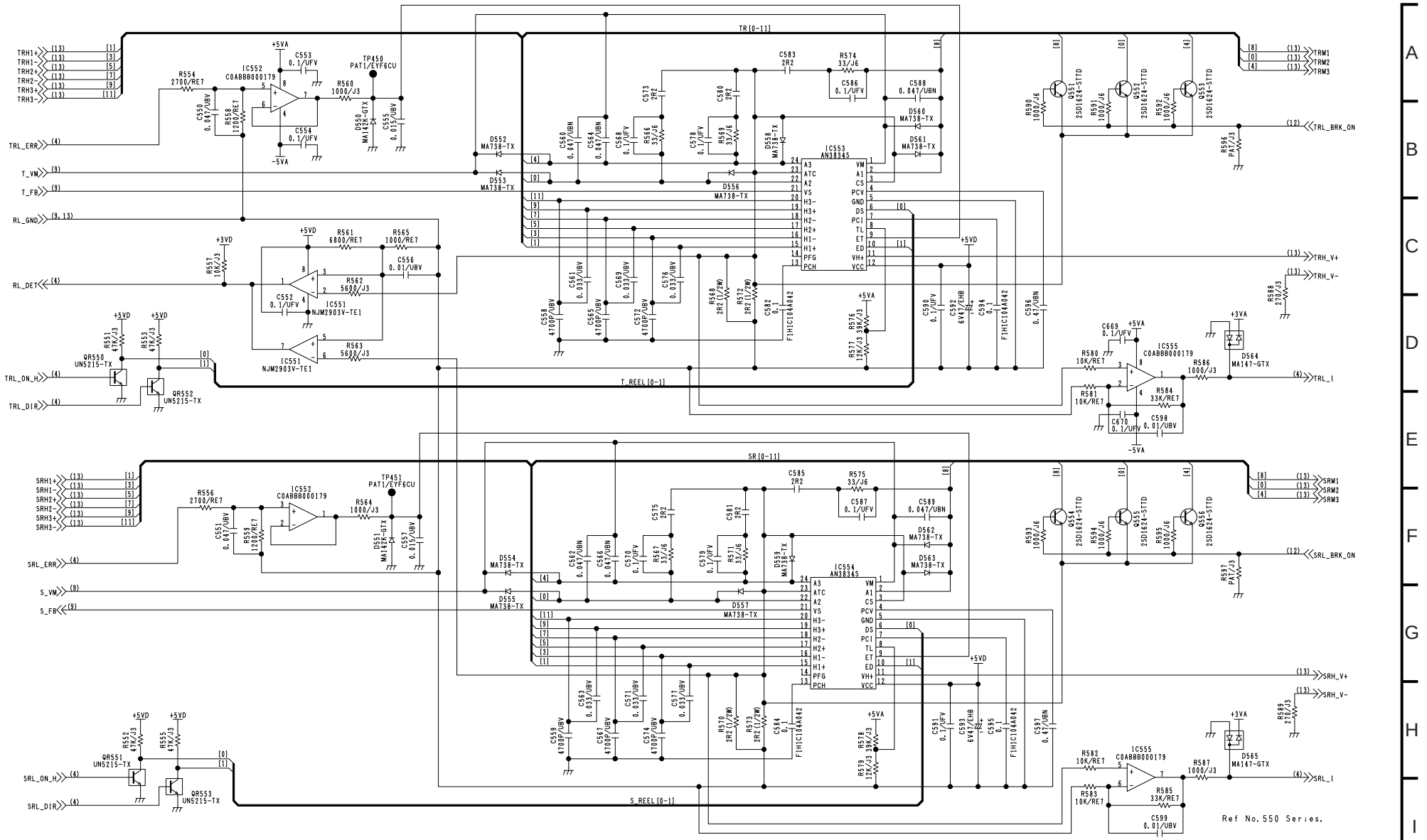


IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

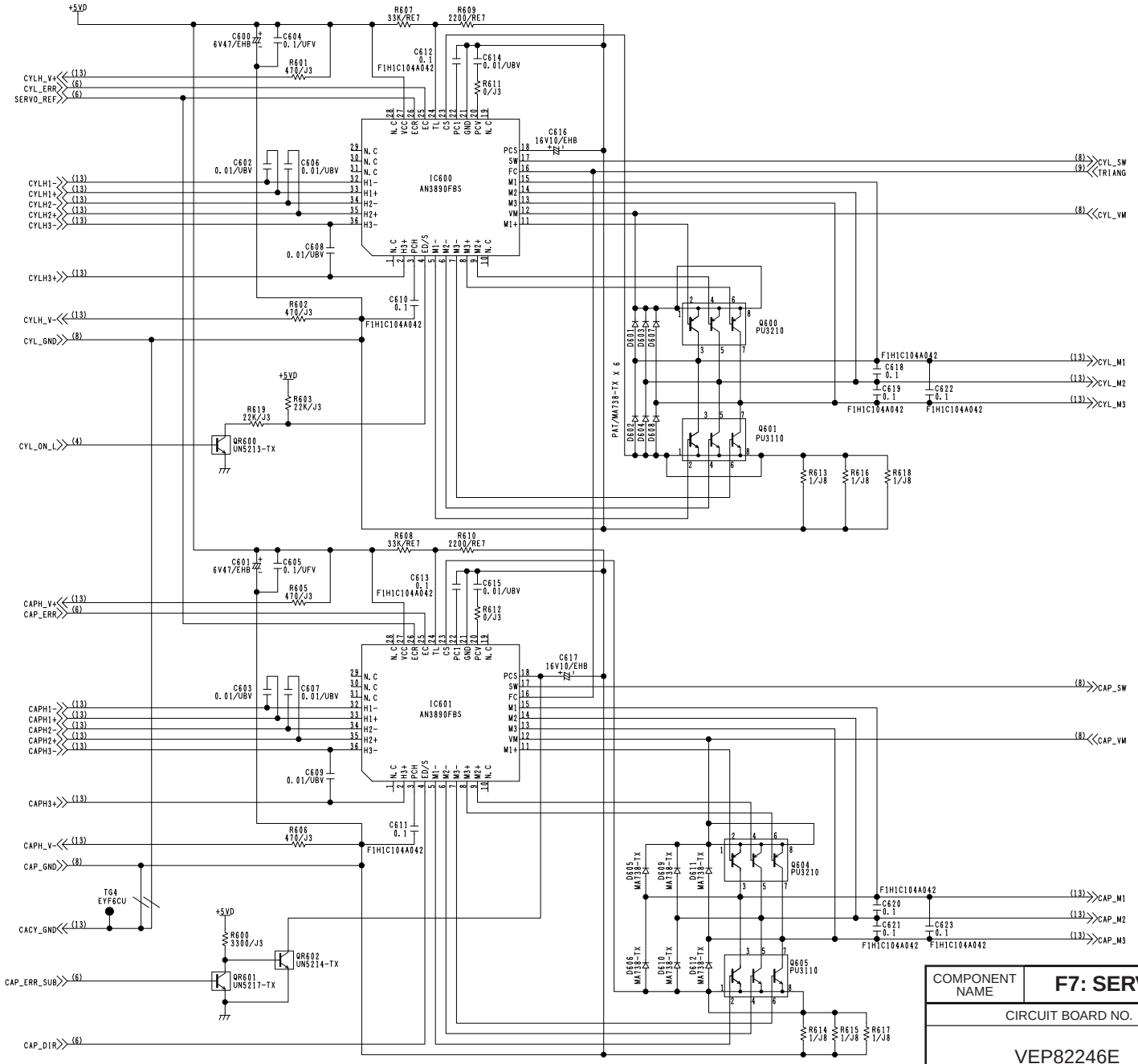
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

COMPONENT NAME	F7: SERVO(SW1)	09/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (9/13) (0)
		SCM153

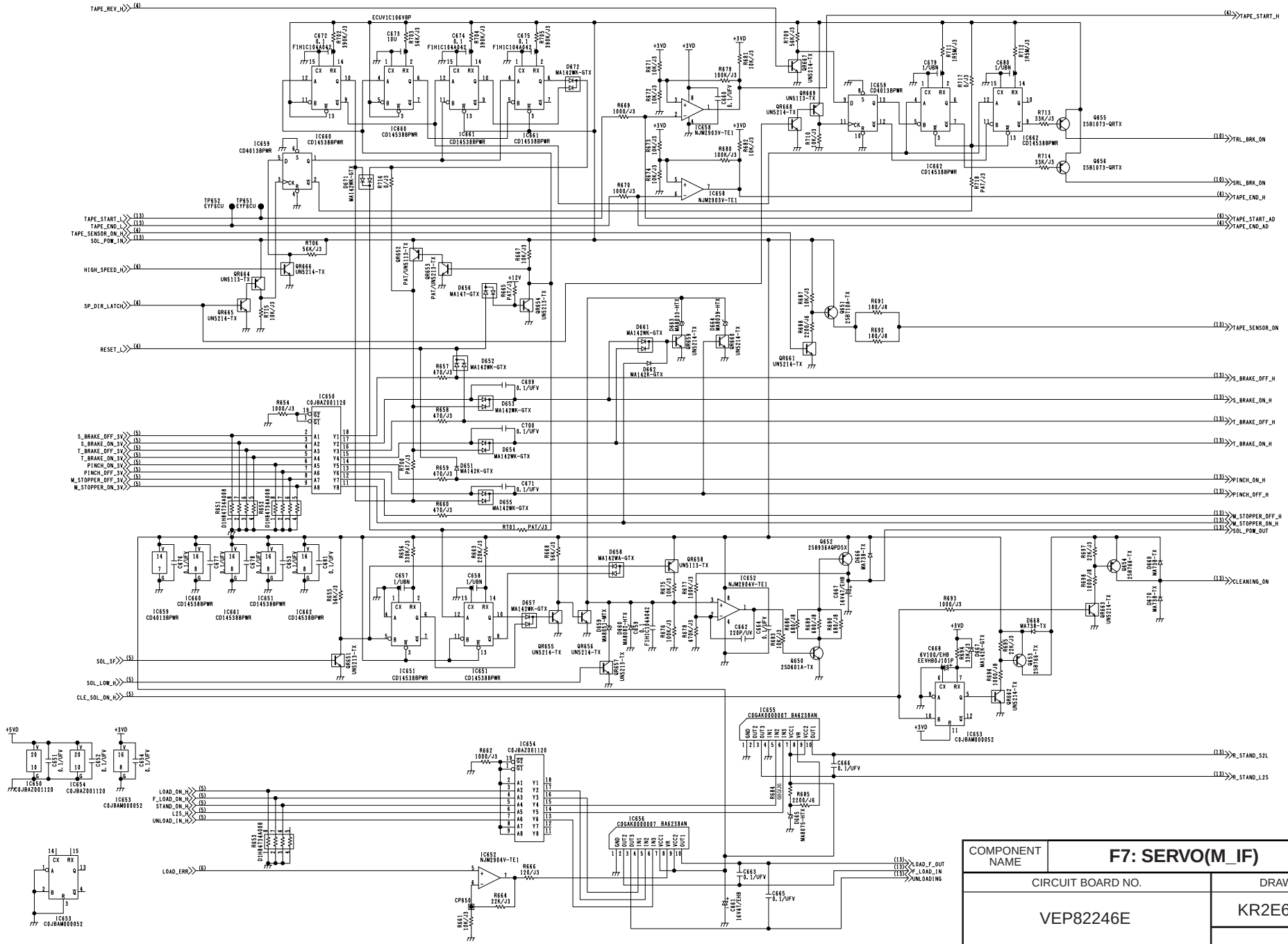


COMPONENT NAME	F7: SERVO(RL_DRV)	10/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (10/13) (0)
		SCM154

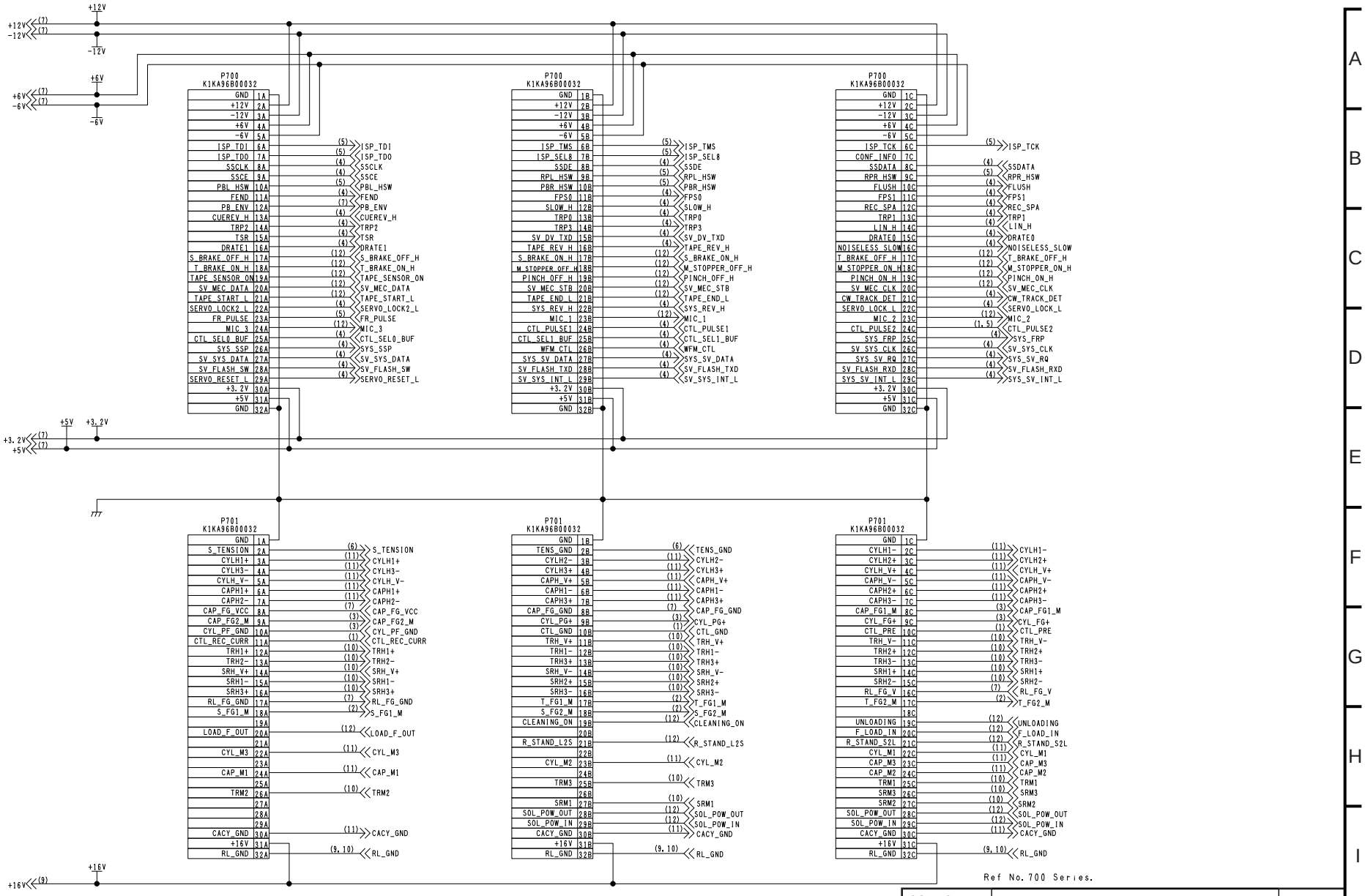


Ref No. 600 Series.

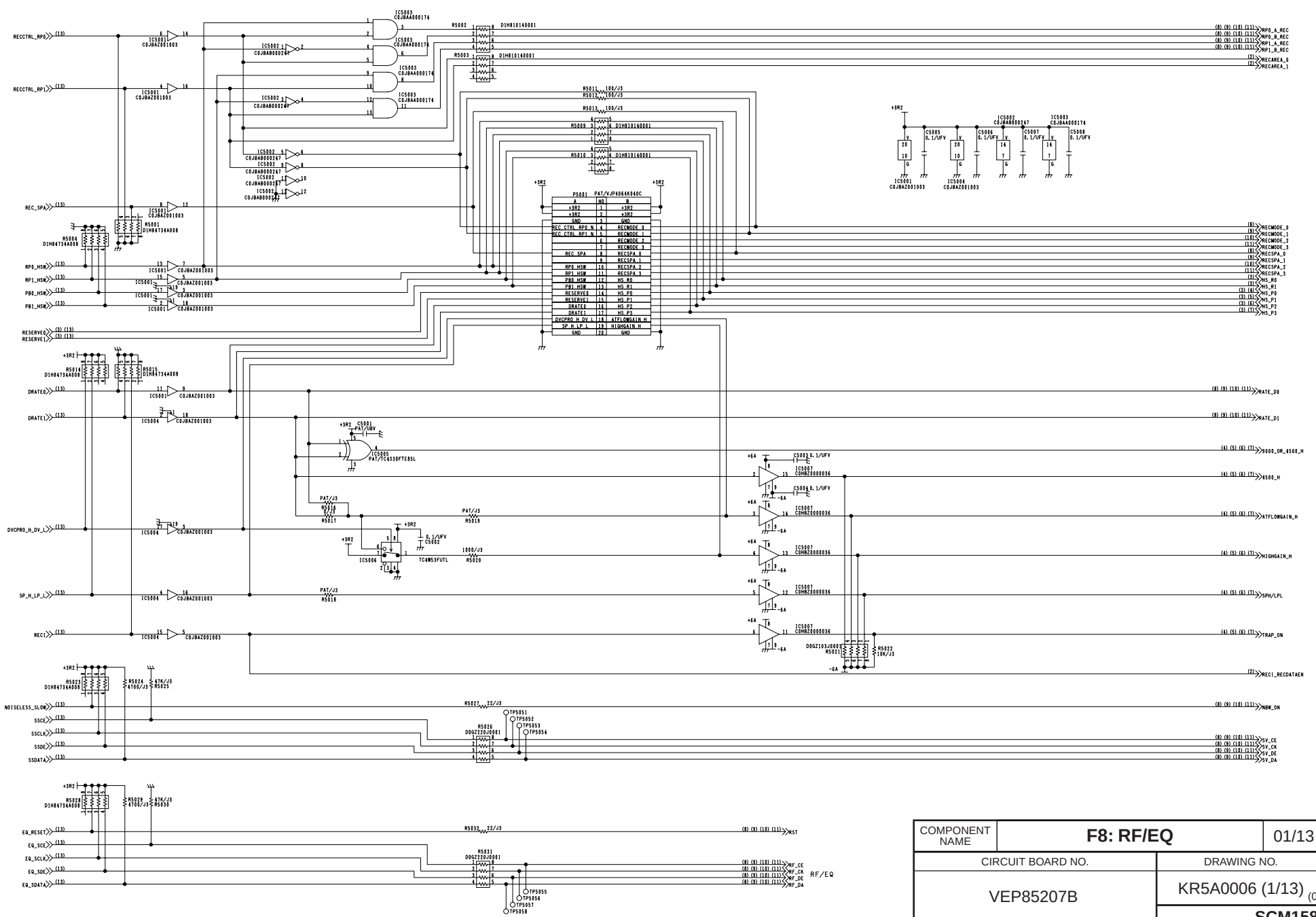
COMPONENT NAME	F7: SERVO(CA_CY_DRV)	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (11/13) (0)
		SCM155



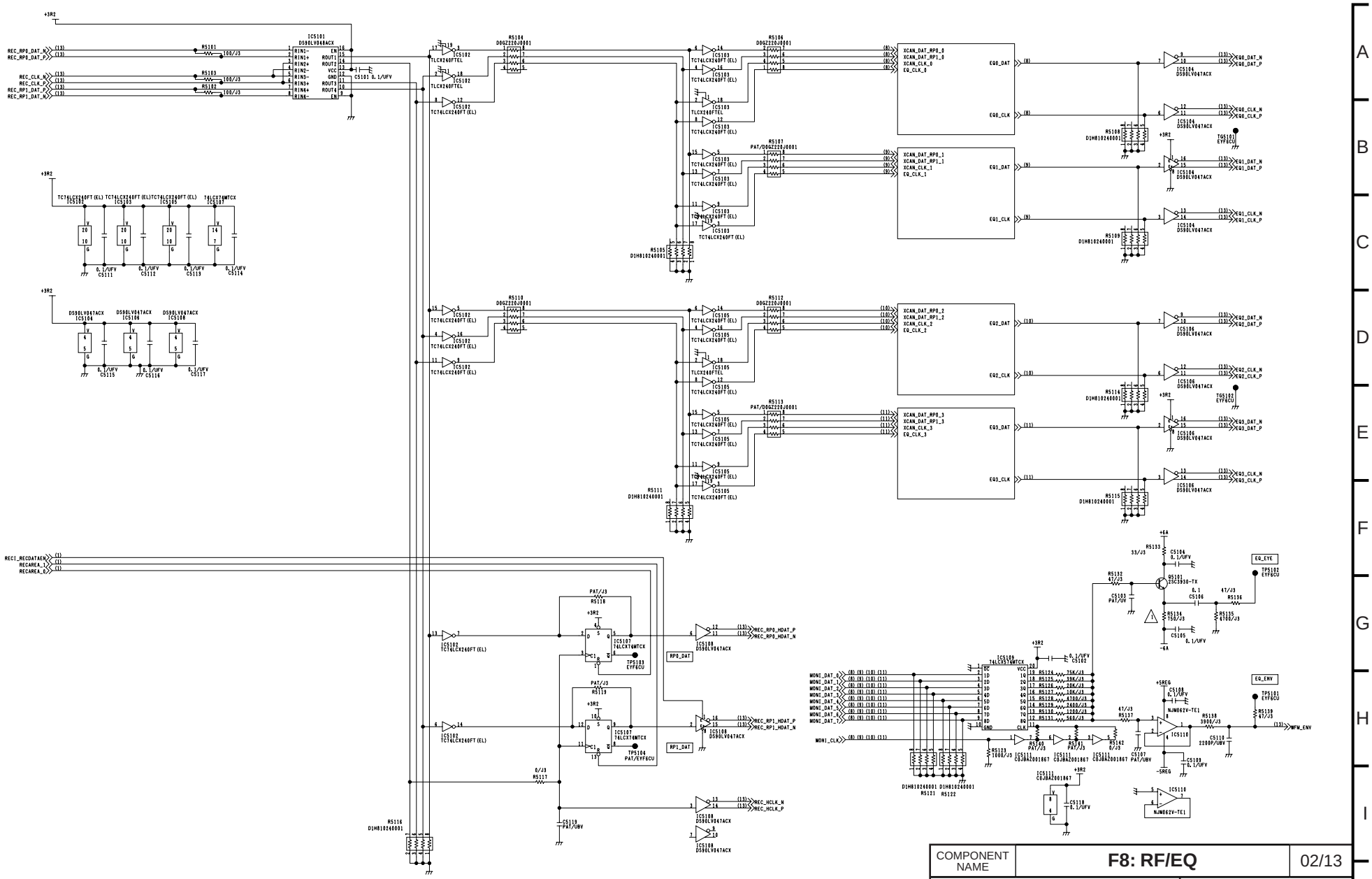
COMPONENT NAME	F7: SERVO(M_IF)	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (12/13) (0)
		SCM156



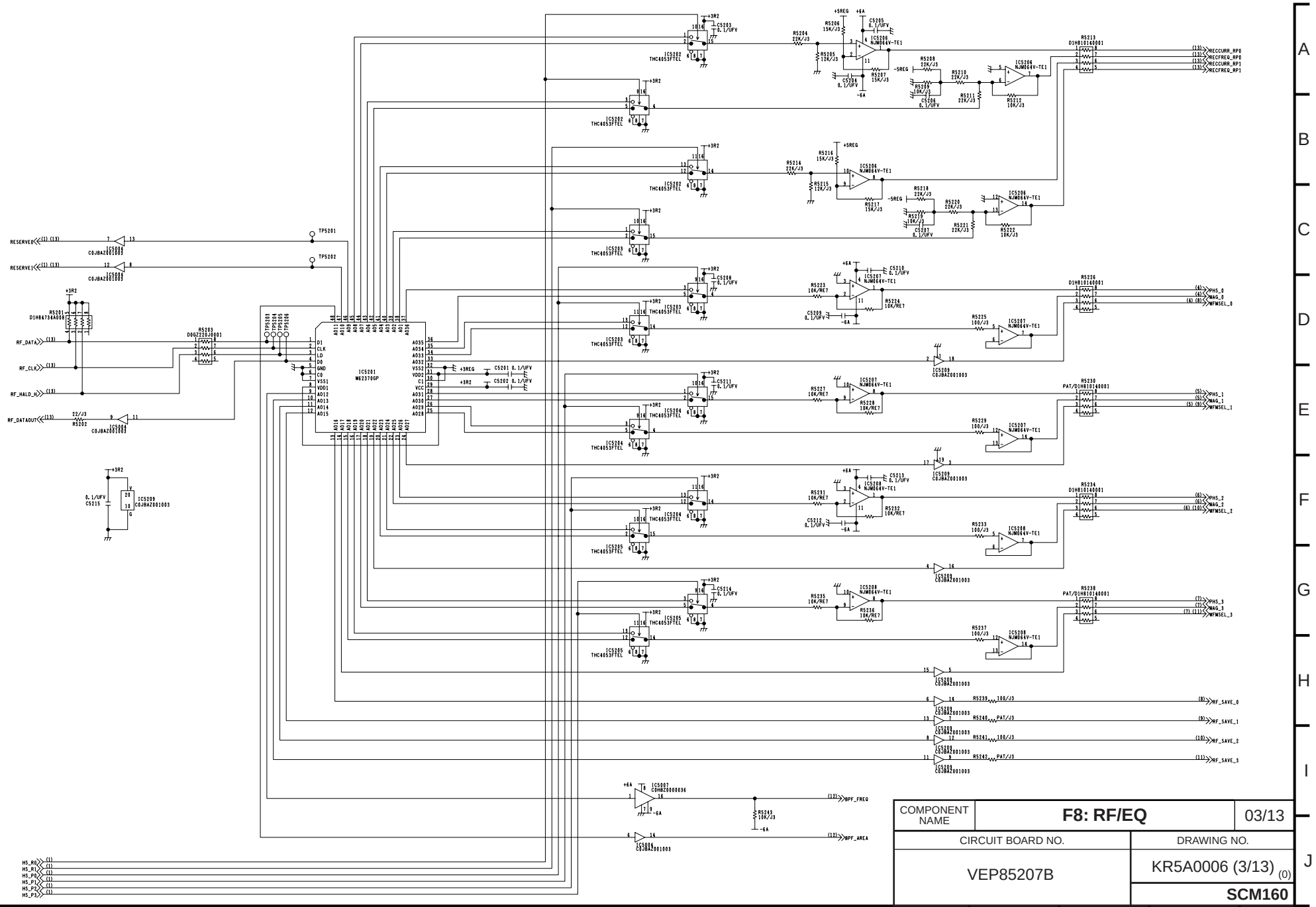
COMPONENT NAME	F7: SERVO	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP82246E		KR2E64 (13/13) (0)
		SCM157



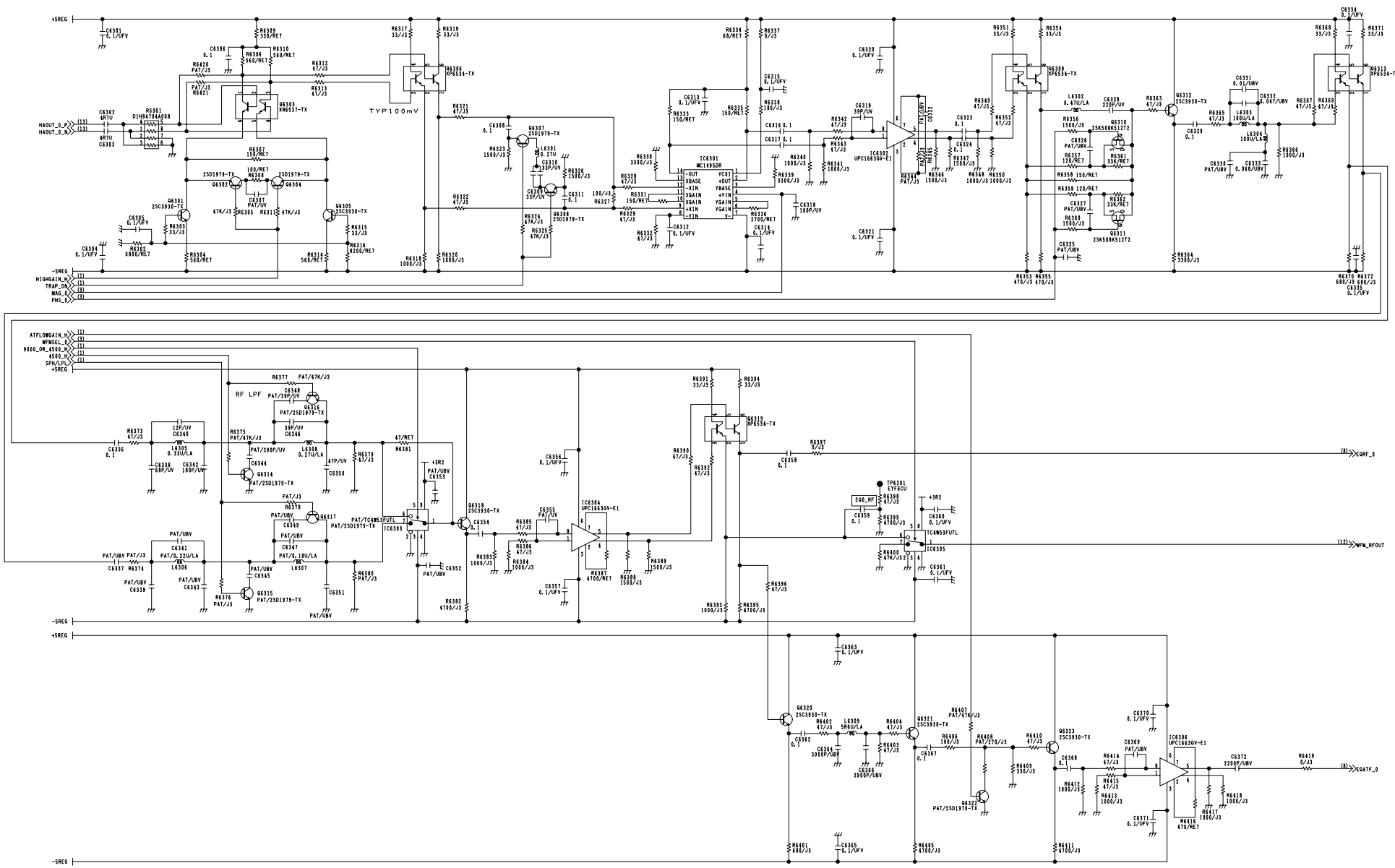
COMPONENT NAME	F8: RF/EQ	01/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (1/13) (0)
		SCM158



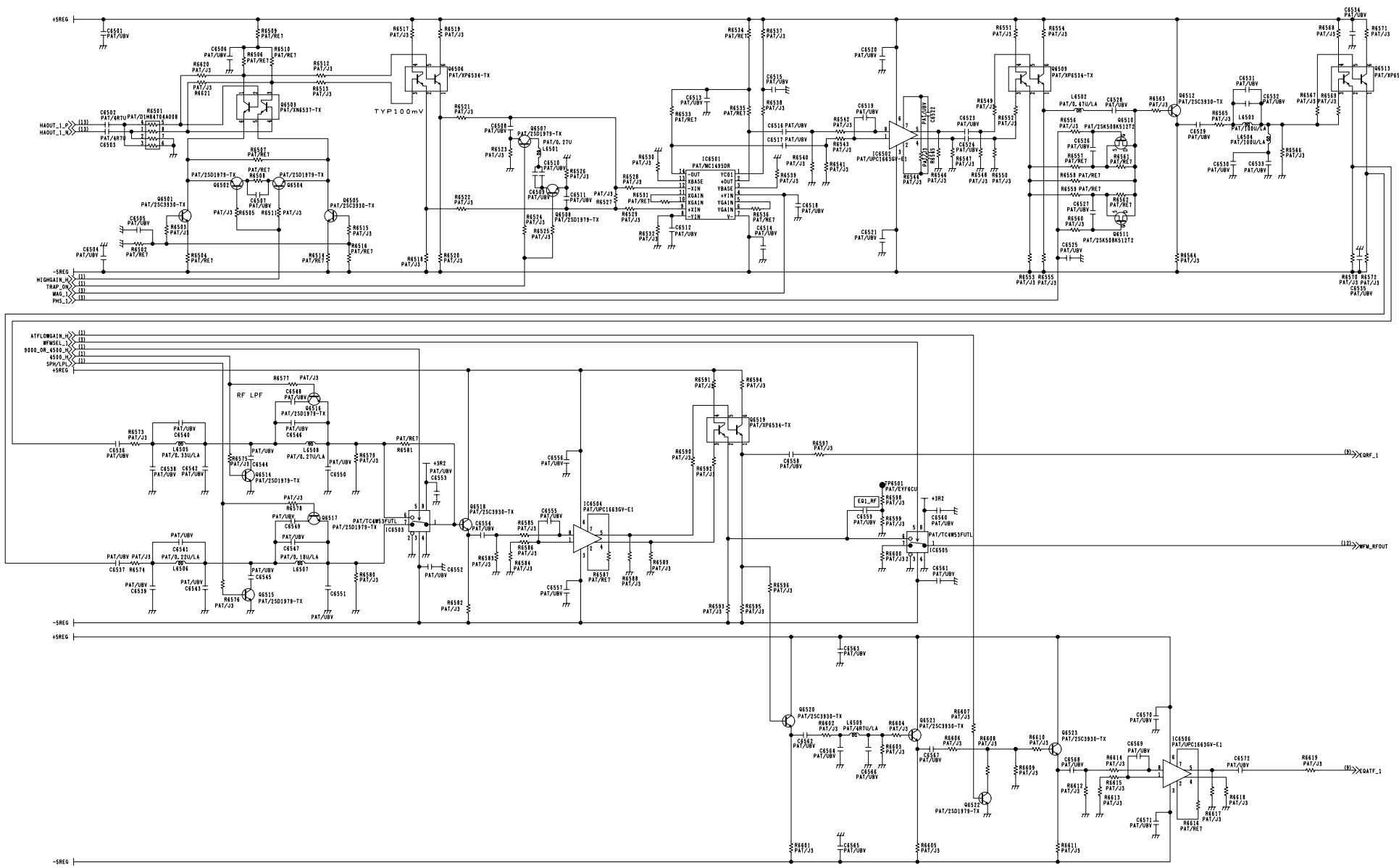
COMPONENT NAME	F8: RF/EQ	02/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (2/13) (0)
		SCM159



COMPONENT NAME	**F8: RF/EQ**	03/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (3/13) (0)
		SCM160



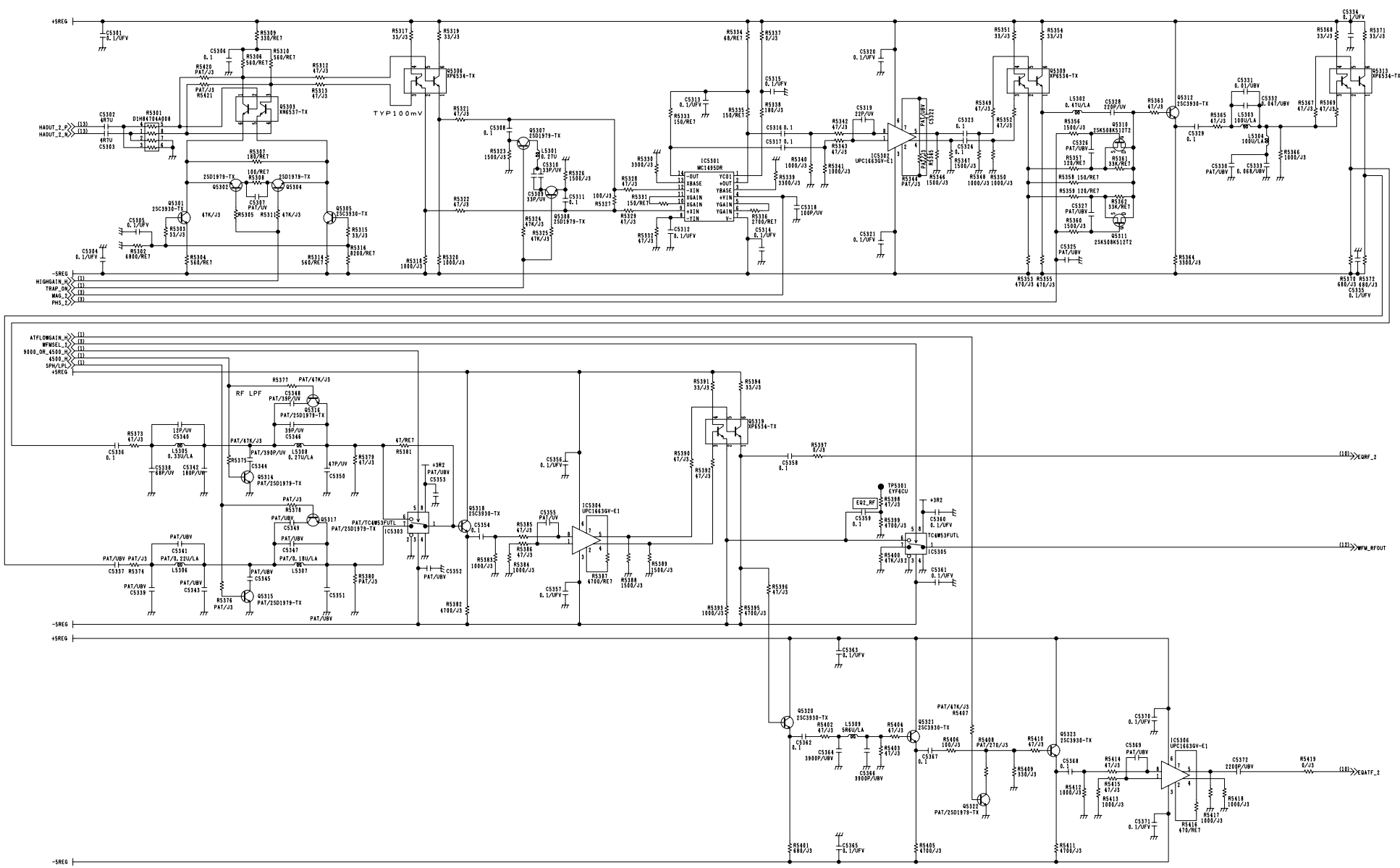
COMPONENT NAME	F8: RF/EQ	04/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (4/13) (0)
		SCM161



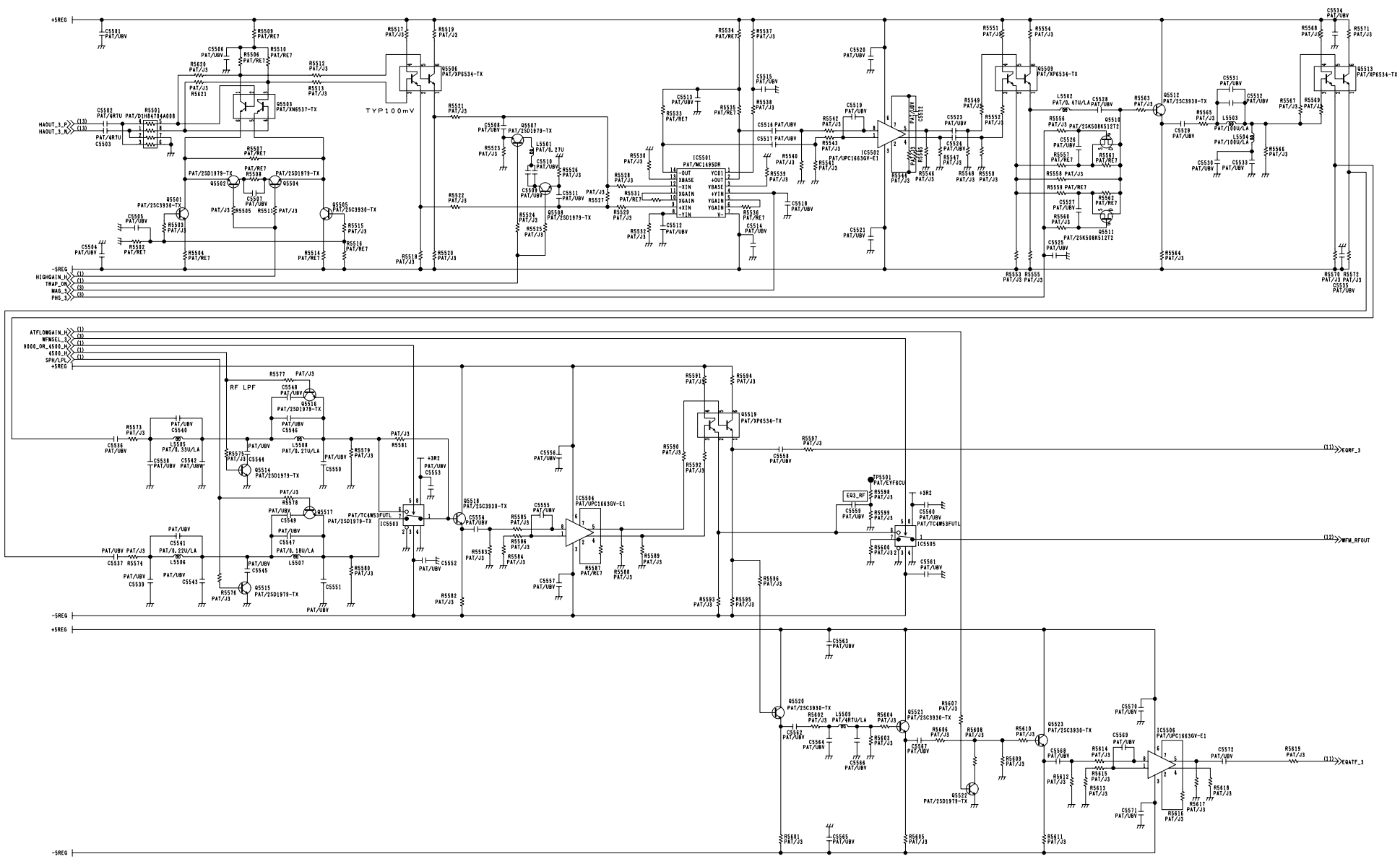
COMPONENT NAME	**F8: RF/EQ**	05/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (5/13) (0)
		SCM162

A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



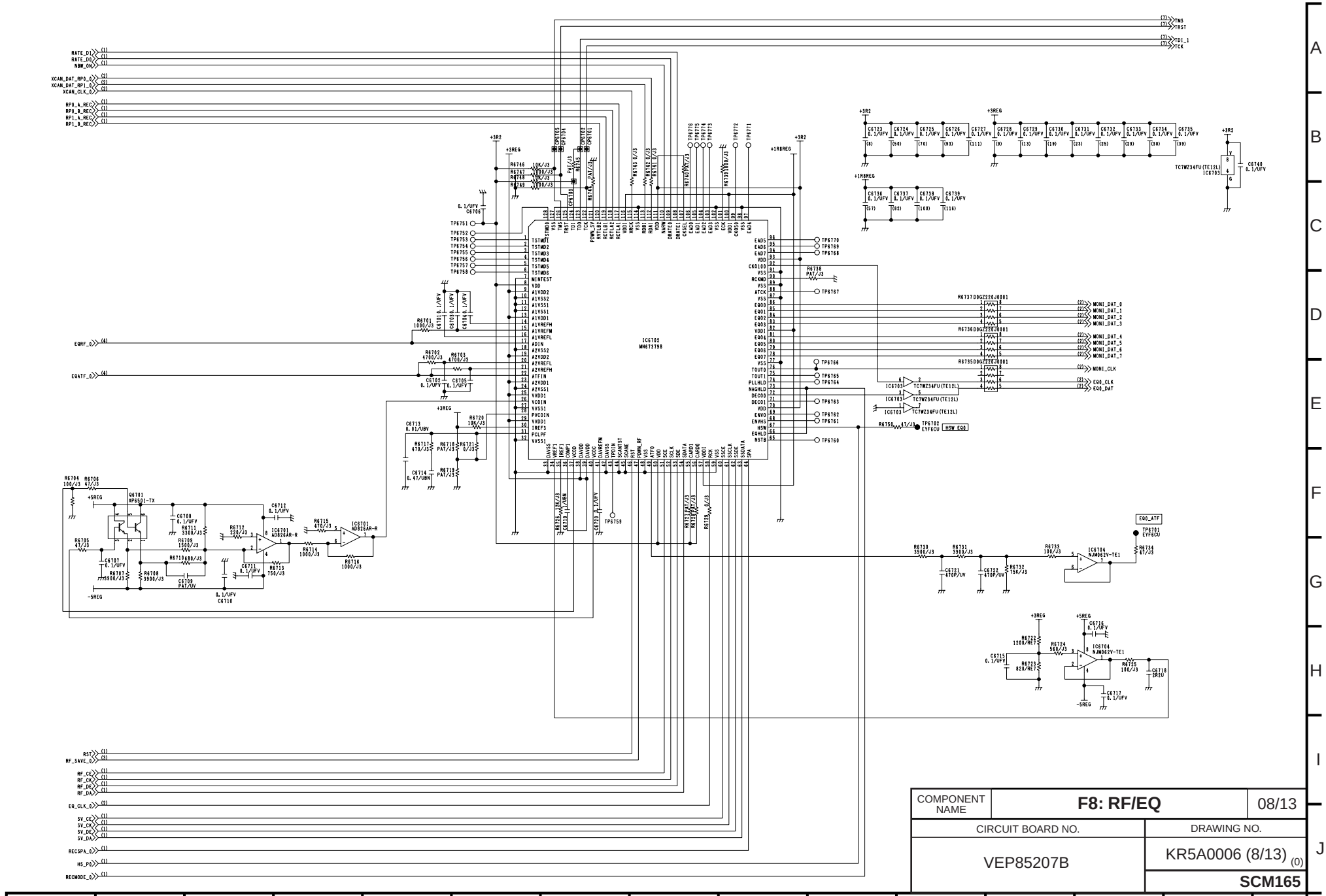
COMPONENT NAME	F8: RF/EQ	06/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (6/13) (0)
		SCM163

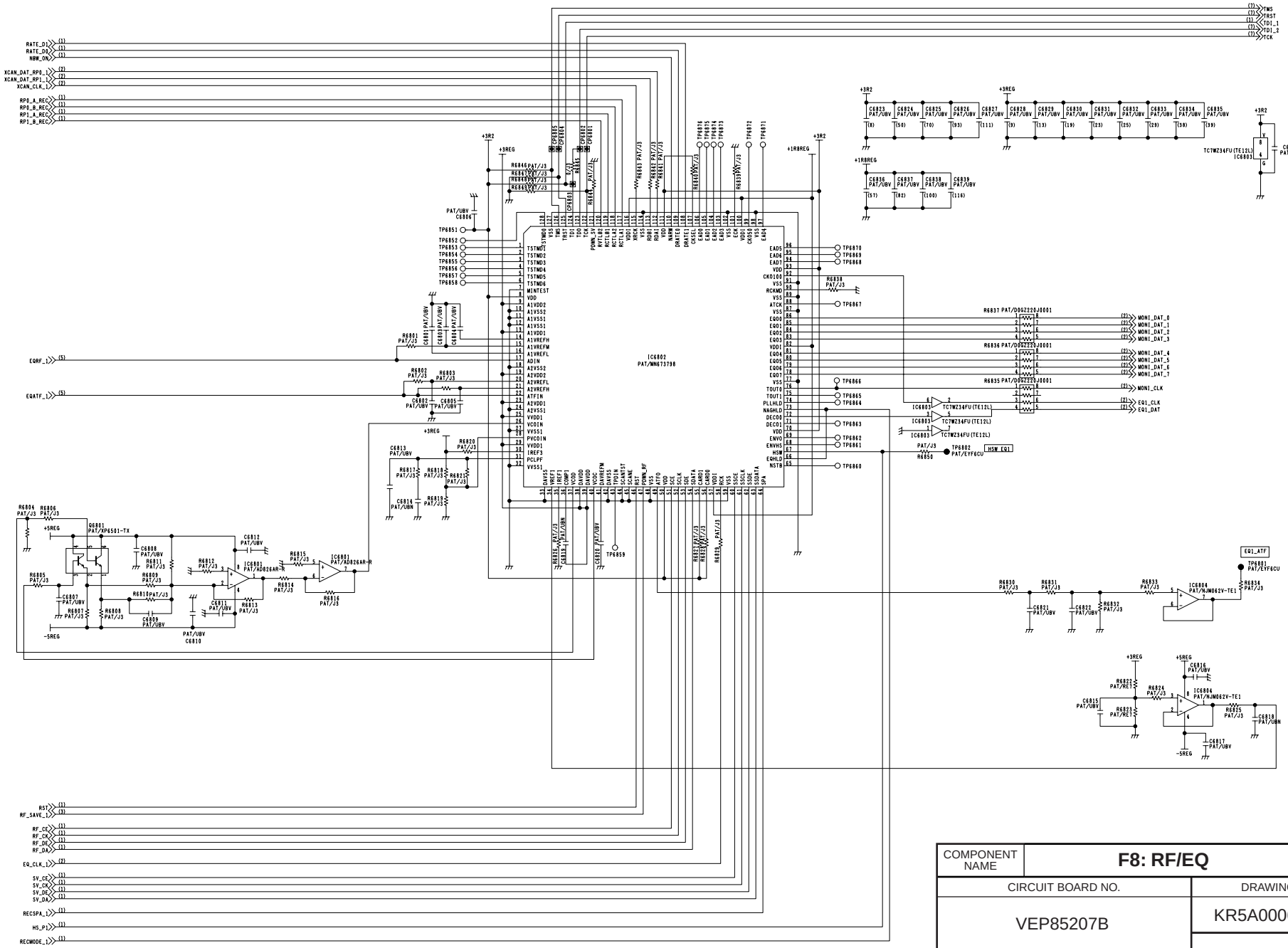


COMPONENT NAME	F8: RF/EQ	07/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (7/13) (0)
		SCM164

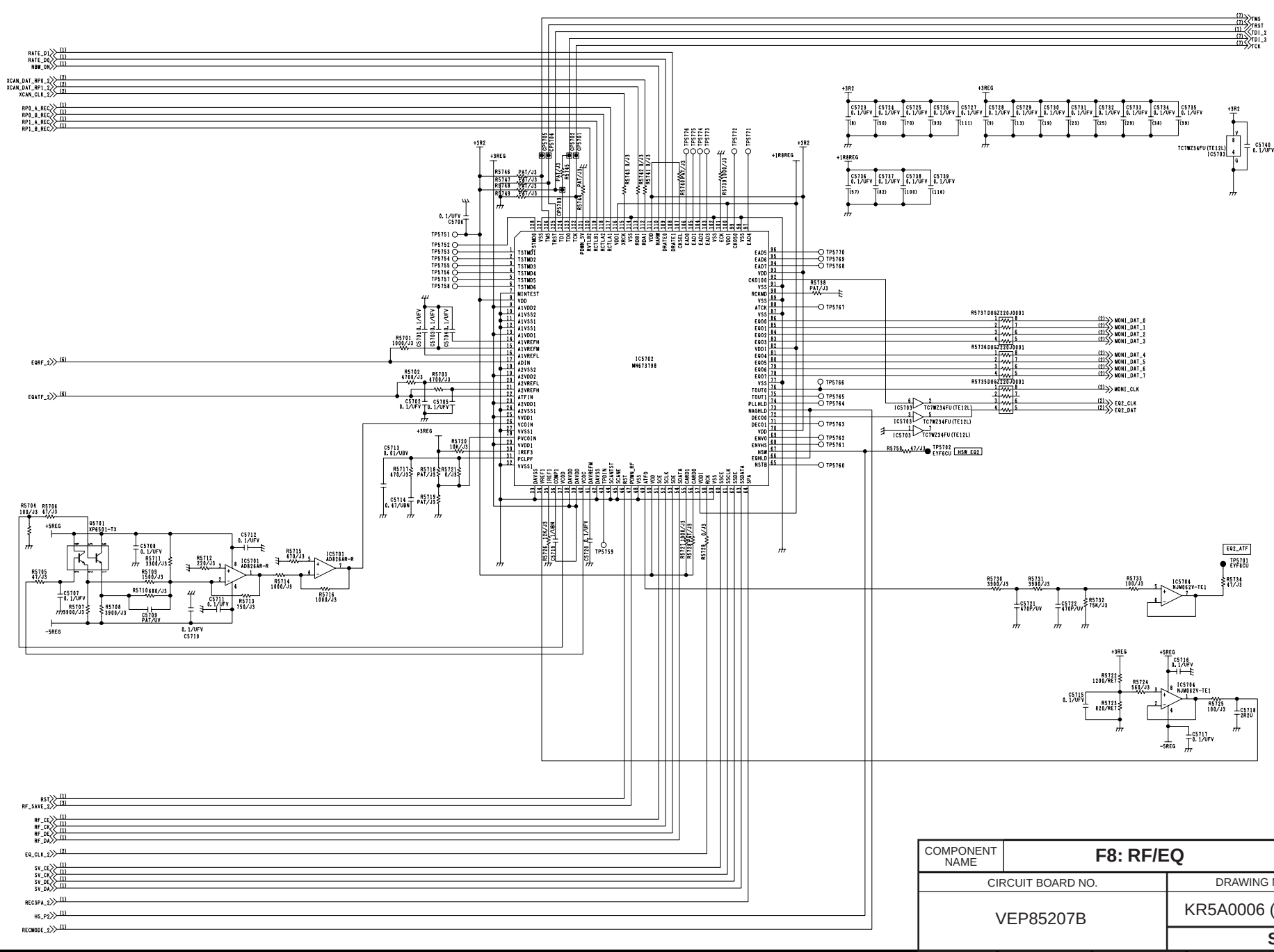
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

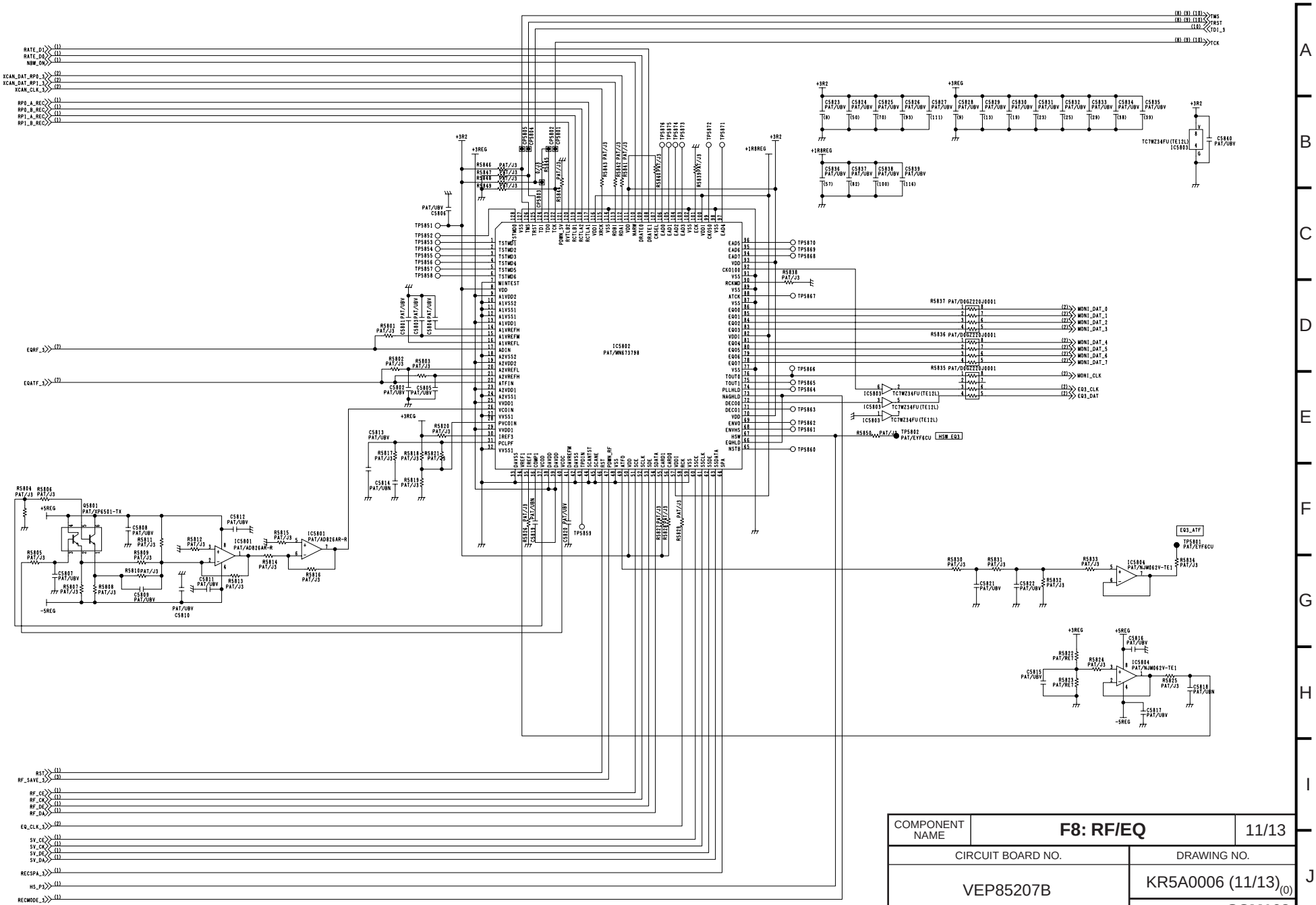

IC6702
MN673798
IC6701
AD826AR-R
IC6703
TCTWZ34FU(TE12L)
IC6704
NJM062V-TE1
Q6701
XP6501-TX
RATE_D1
RATE_D0
NBW_ON
XCAN_DAT_RP0_0
XCAN_DAT_RP1_0
XCAN_CLK_0
RP0_A_REC
RP0_B_REC
RP1_A_REC
RP1_B_REC
EQRF_0
EQATF_0
RST
RF_SAVE_0
RF_CE
RF_CK
RF_DE
RF_DA
EQ_CLK_0
SV_CE
SV_CK
SV_DE
SV_DA
RECSPA_0
HS_P0
RECMODE_0
TMS
TRST
TDI_1
TCK
MONI_DAT_0
MONI_DAT_1
MONI_DAT_2
MONI_DAT_3
MONI_DAT_4
MONI_DAT_5
MONI_DAT_6
MONI_DAT_7
MONI_CLK
EQ0_CLK
EQ0_DAT
EQ0_ATF
HSW EQ0
+3R2
+3REG
+1R8REG
+5REG
-5REG
COMPONENT NAME
F8: RF/EQ
08/13
CIRCUIT BOARD NO.
VEP85207B
DRAWING NO.
KR5A0006 (8/13) (0)
SCM165



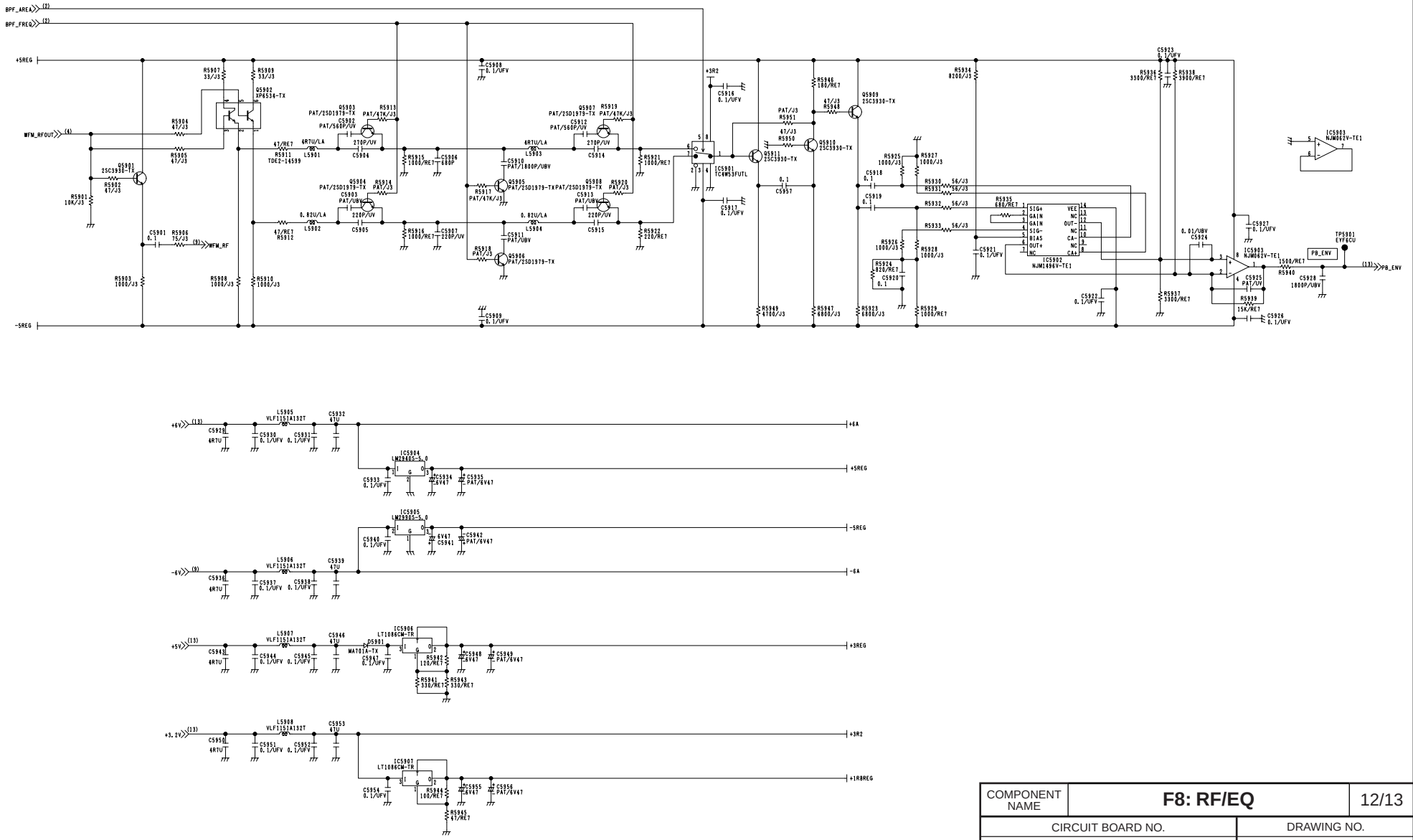
COMPONENT NAME	F8: RF/EQ	09/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (9/13) (0)
		SCM166



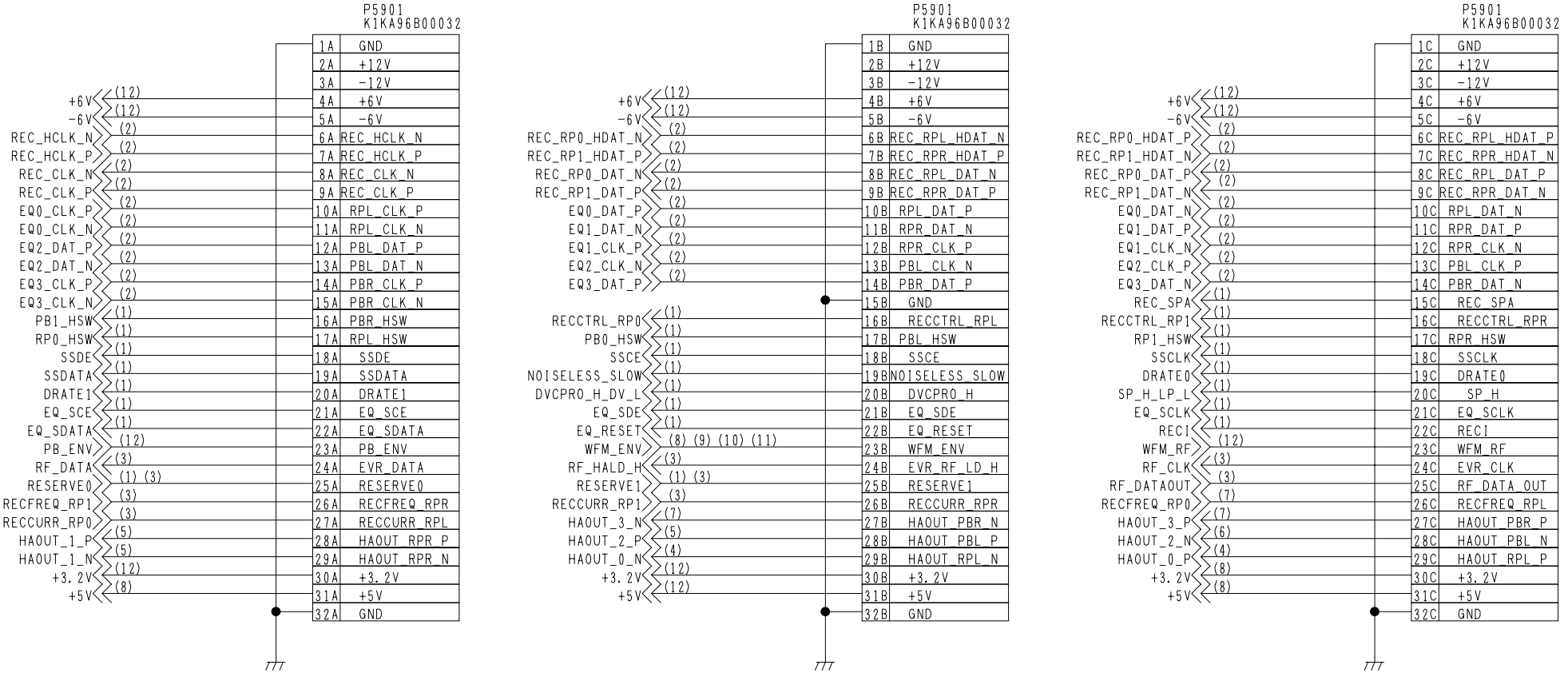
COMPONENT NAME	F8: RF/EQ	10/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (10/13)(0)
		SCM167



COMPONENT NAME	F8: RF/EQ	11/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (11/13)(0)
		SCM168



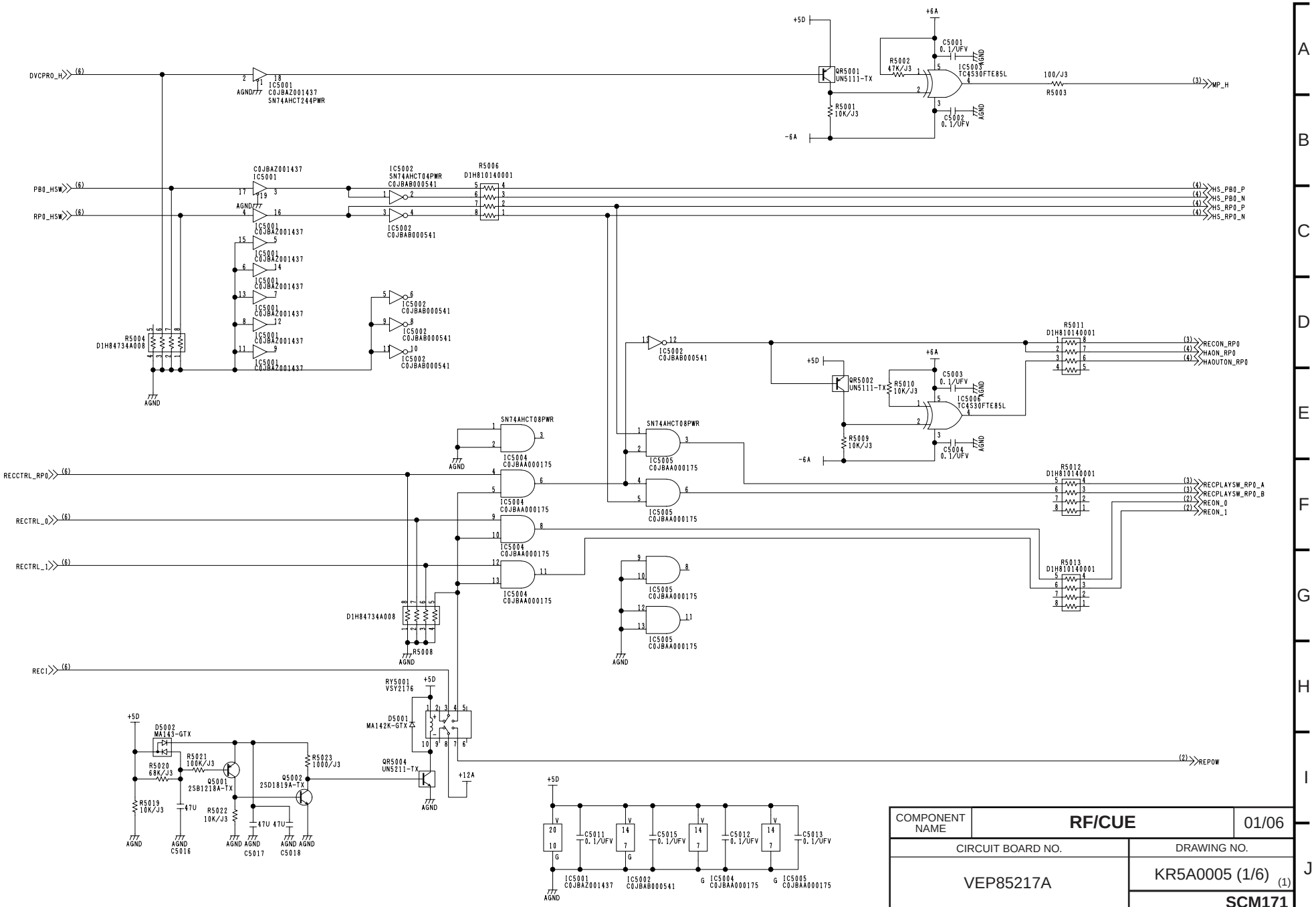
COMPONENT NAME	F8: RF/EQ	12/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (12/13)(0)
		SCM169



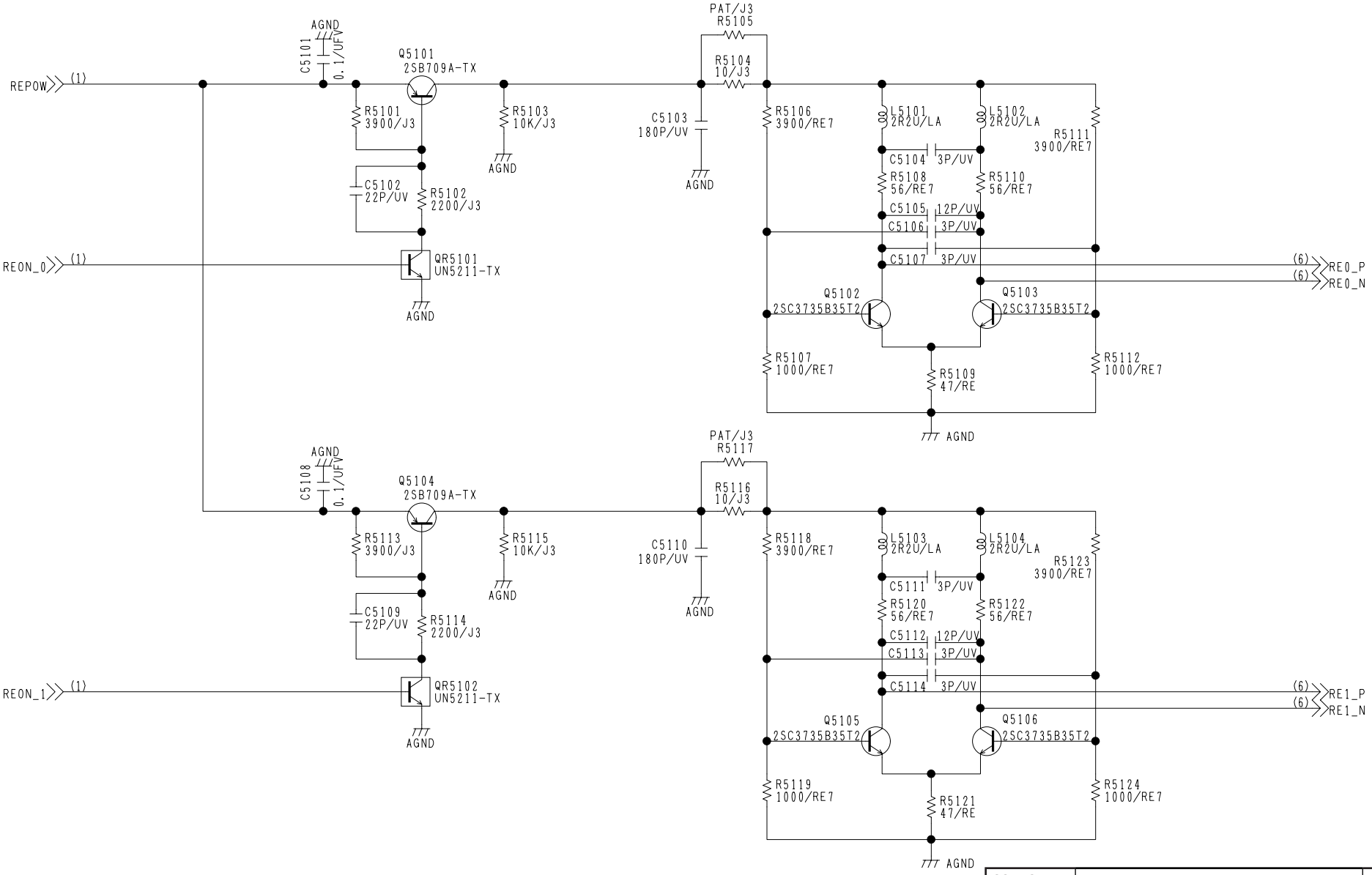
COMPONENT NAME	F8: RF/EQ	13/13
CIRCUIT BOARD NO.		DRAWING NO.
VEP85207B		KR5A0006 (13/13)$_{(0)}$
		SCM170

A B C D E F G H I J

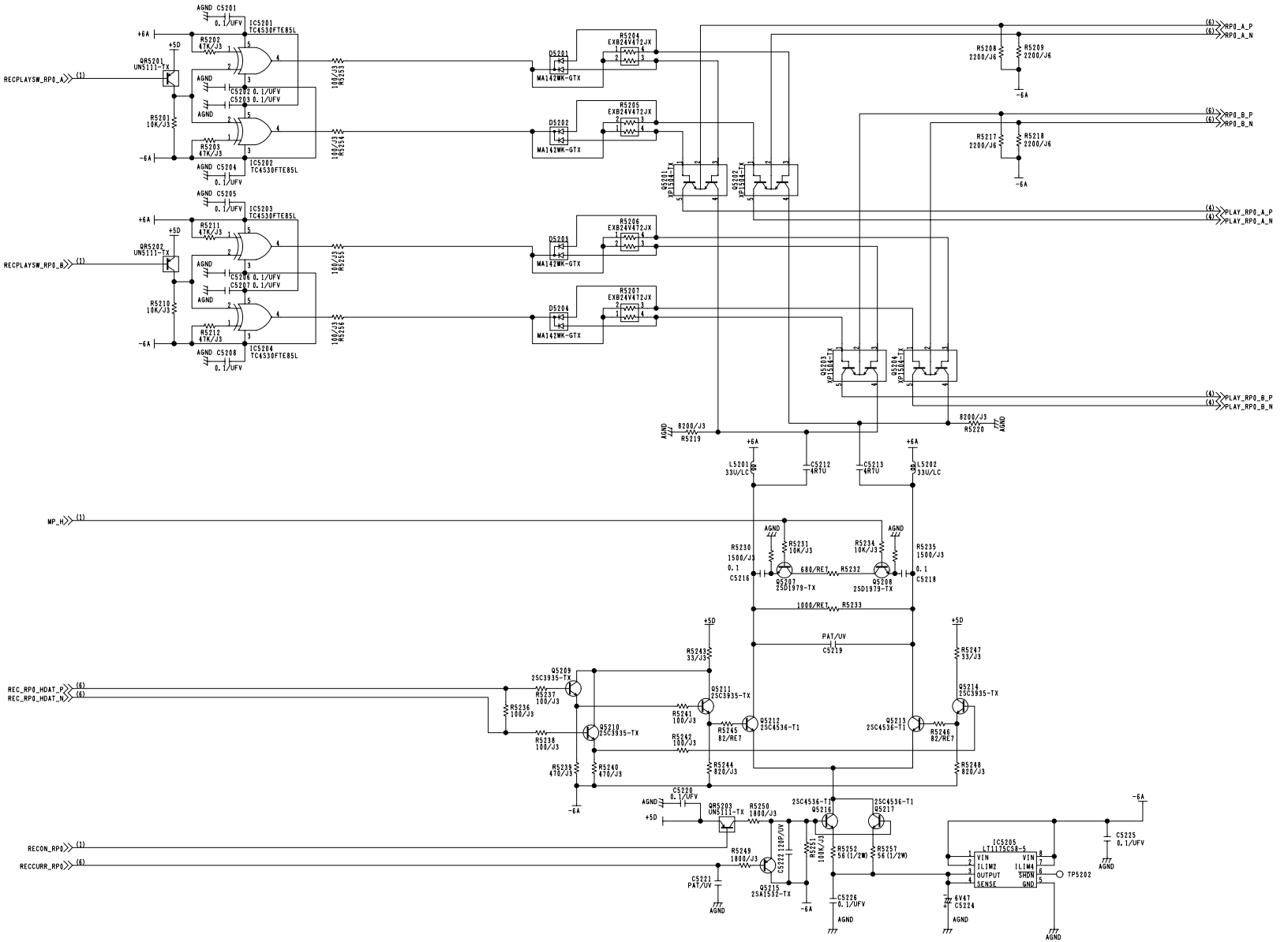
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



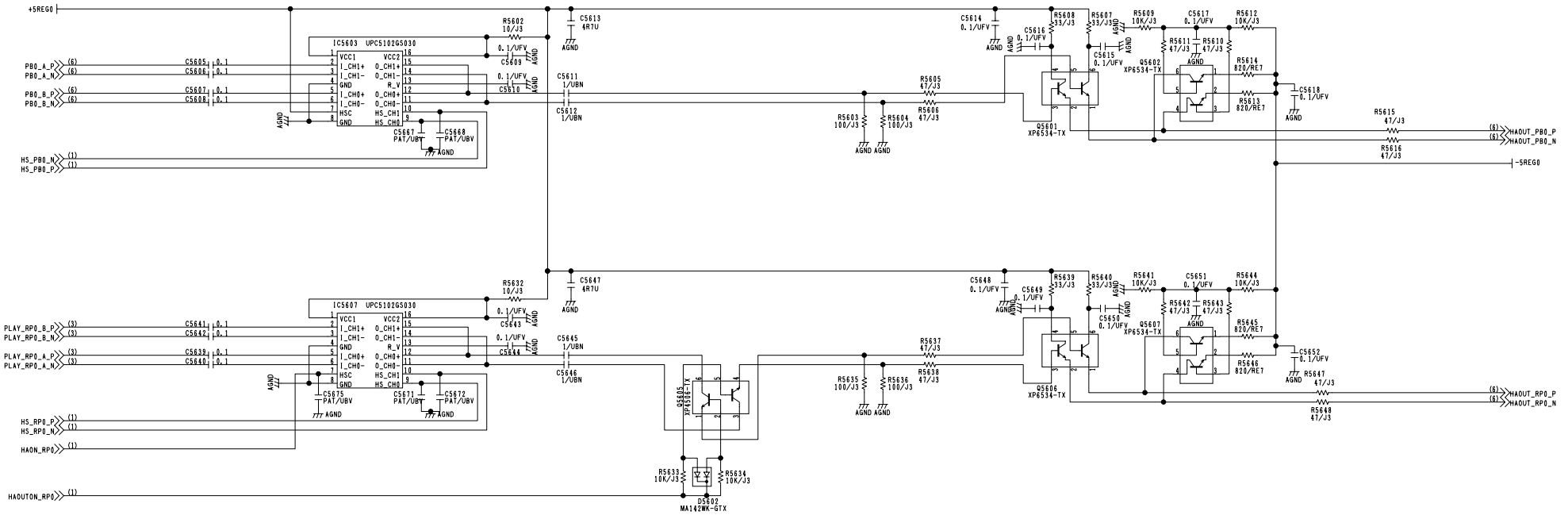
COMPONENT NAME	**RF/CUE**	01/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP85217A		KR5A0005 (1/6) (1)
		SCM171



COMPONENT NAME	RF/CUE	02/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP85217A		KR5A0005 (2/6) (1)
		SCM172



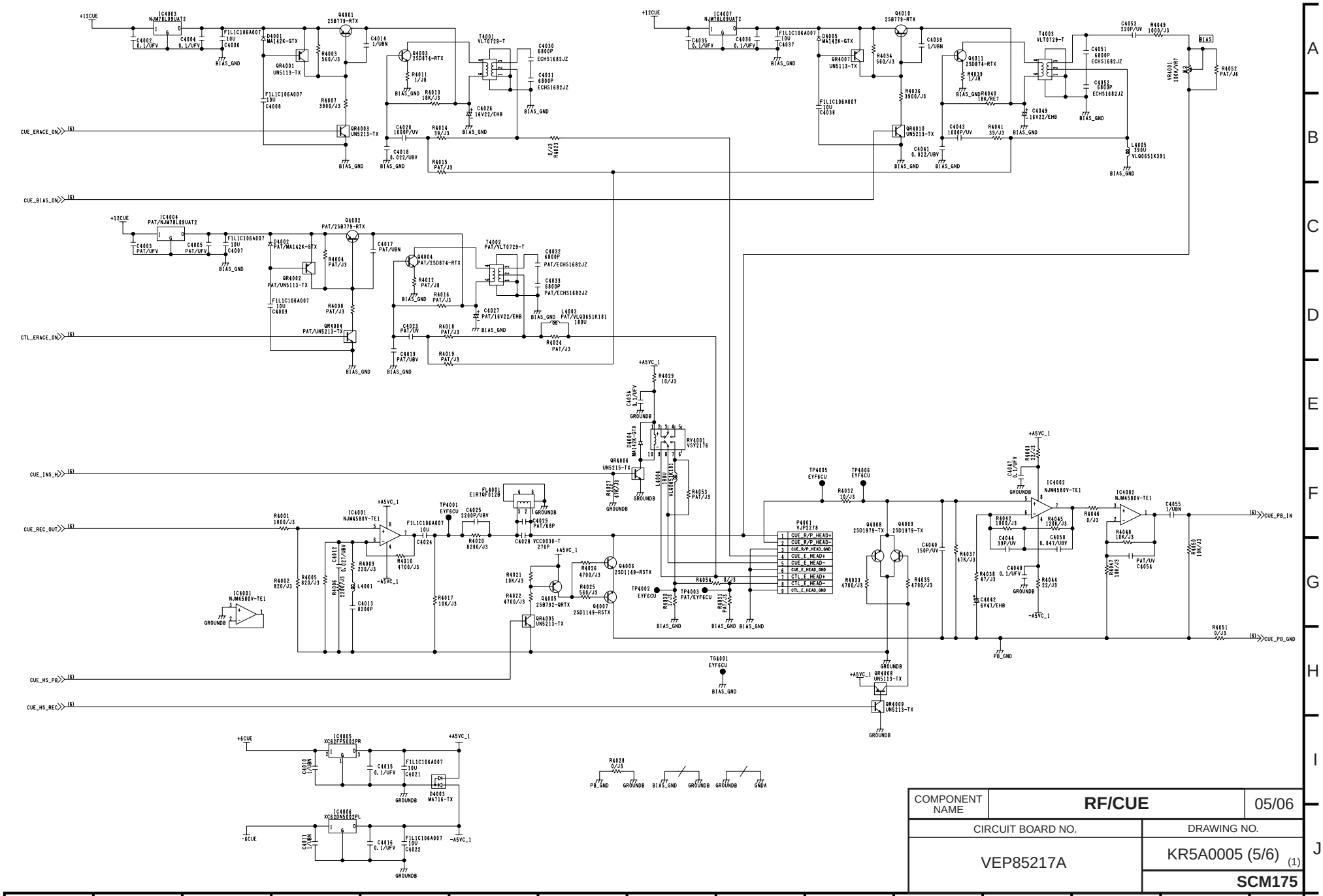
COMPONENT NAME	RF/CUE	03/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP85217A		KR5A0005 (3/6) (1)
		SCM173



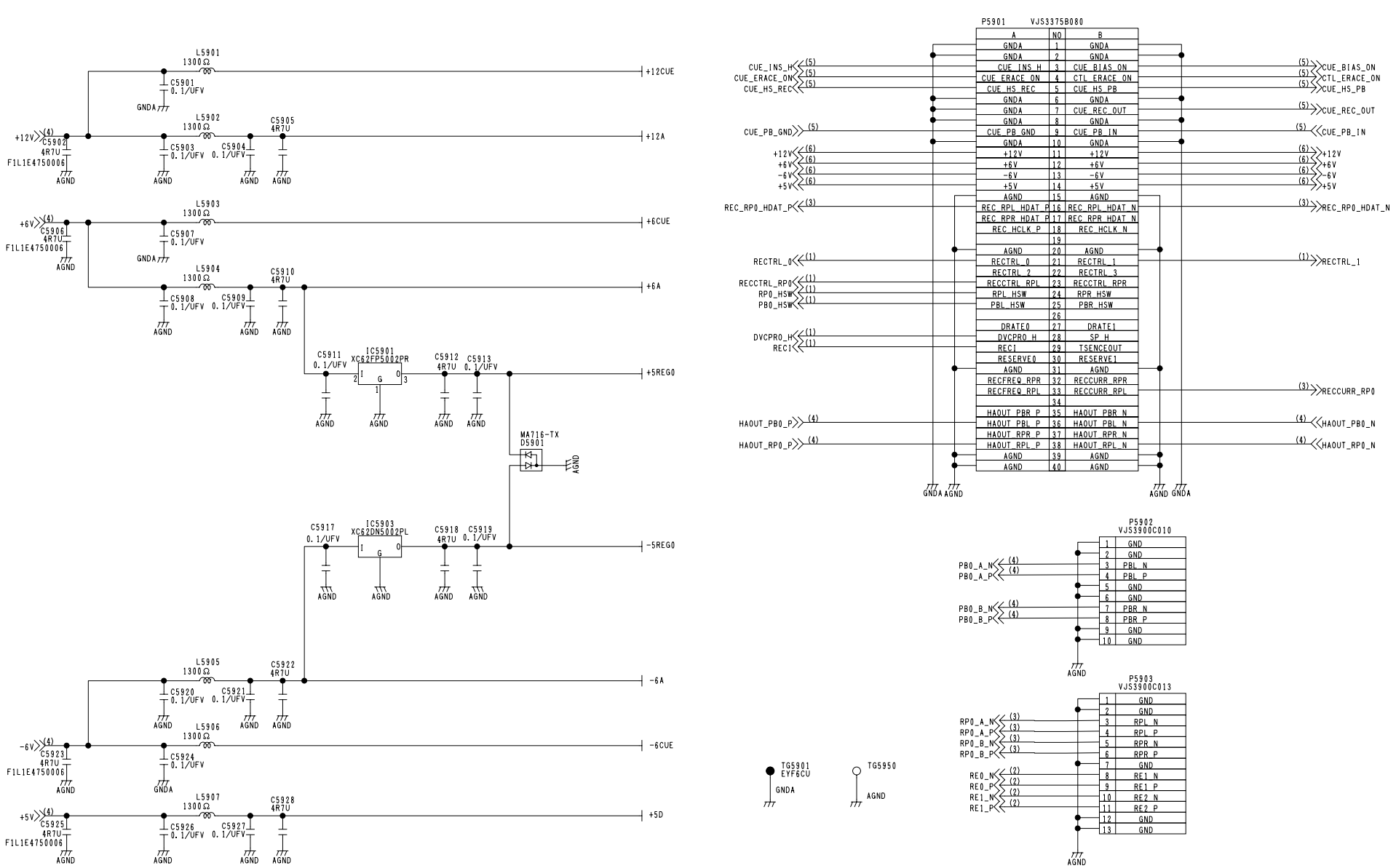
COMPONENT NAME	**RF/CUE**	04/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP85217A		KR5A0005 (4/6) (1)
		SCM174

A B C D E F G H I J

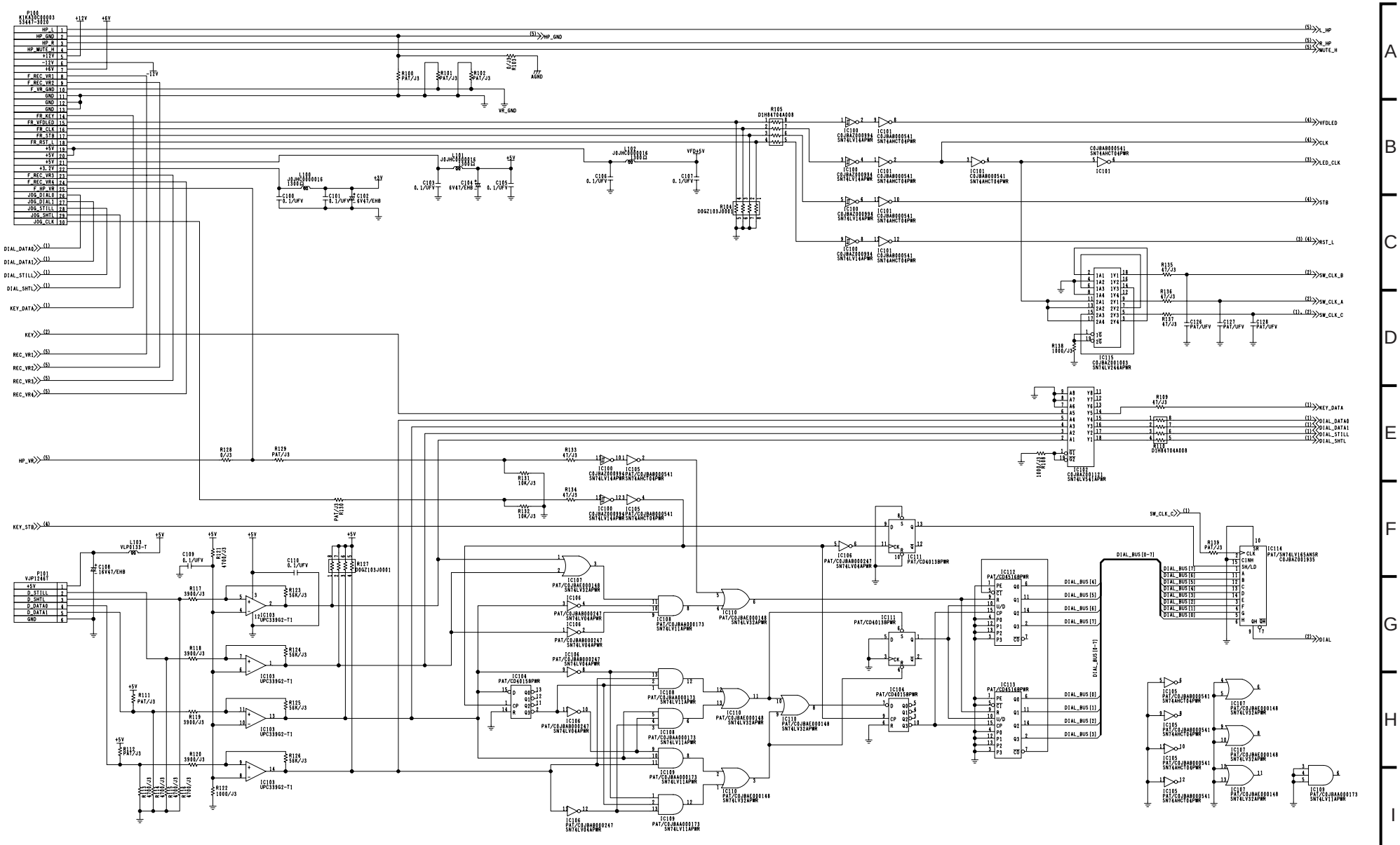
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



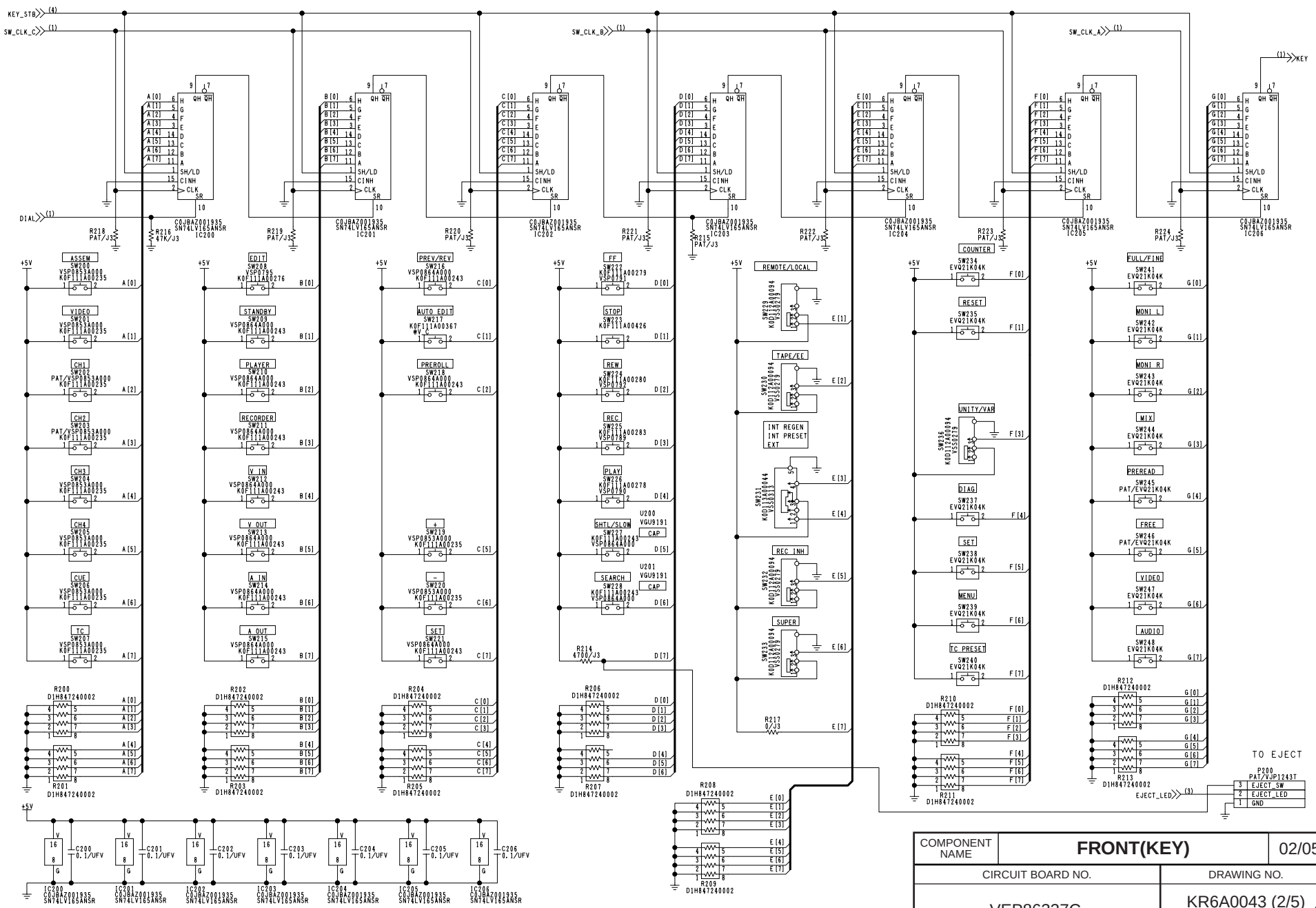
COMPONENT NAME	**RF/CUE**	05/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP85217A	KR5A0005 (5/6) (1)	
	SCM175	



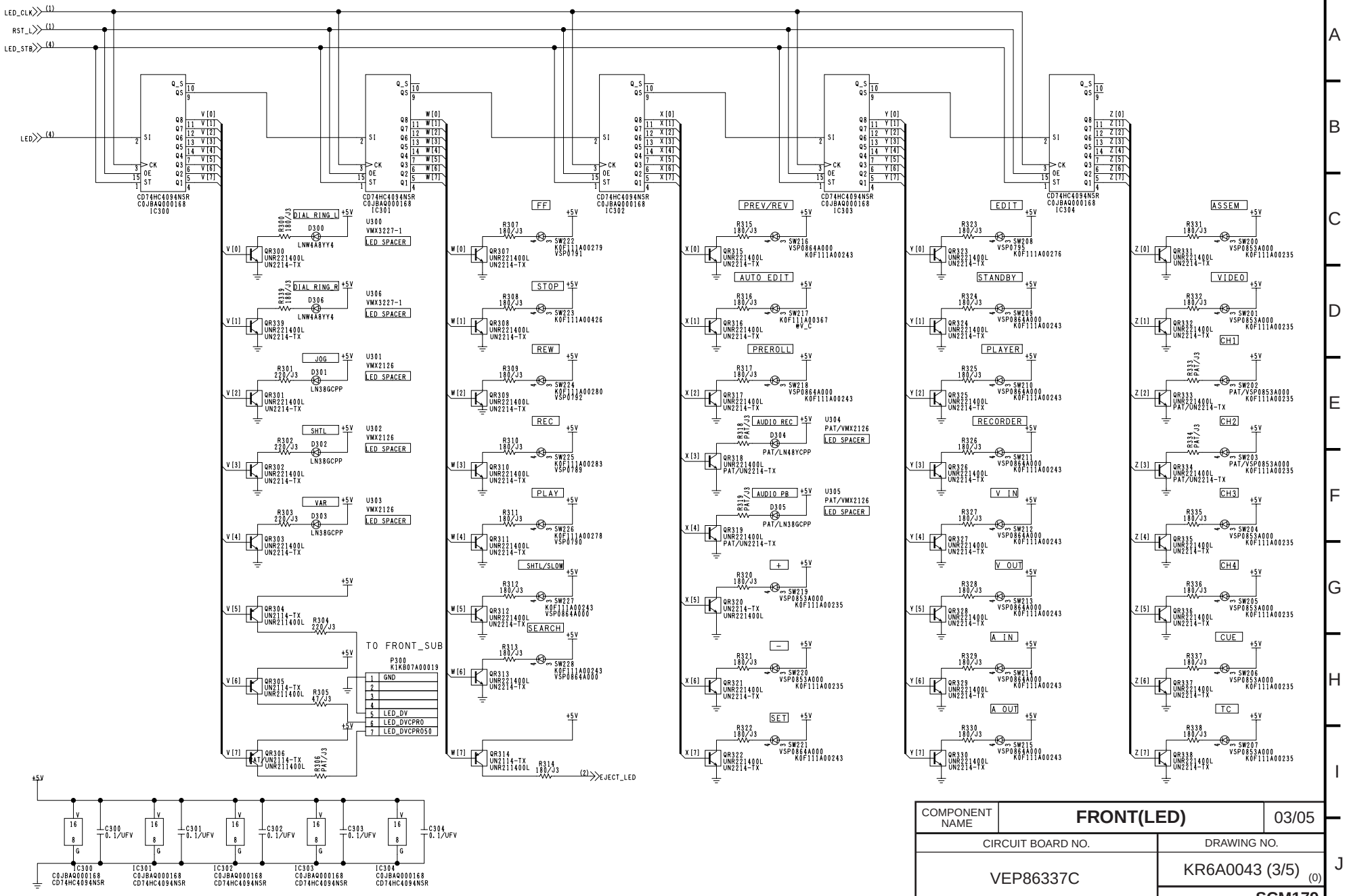
COMPONENT NAME	**RF/CUE**	06/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP85217A		KR5A0005 (6/6) (1)
		SCM176



COMPONENT NAME	**FRONT(CONNECTOR, DIAL)**	01/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86337C	KR6A0043 (1/5) (0)	
	SCM177	



COMPONENT NAME	FRONT(KEY)	02/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86337C		KR6A0043 (2/5) (0)
		SCM178

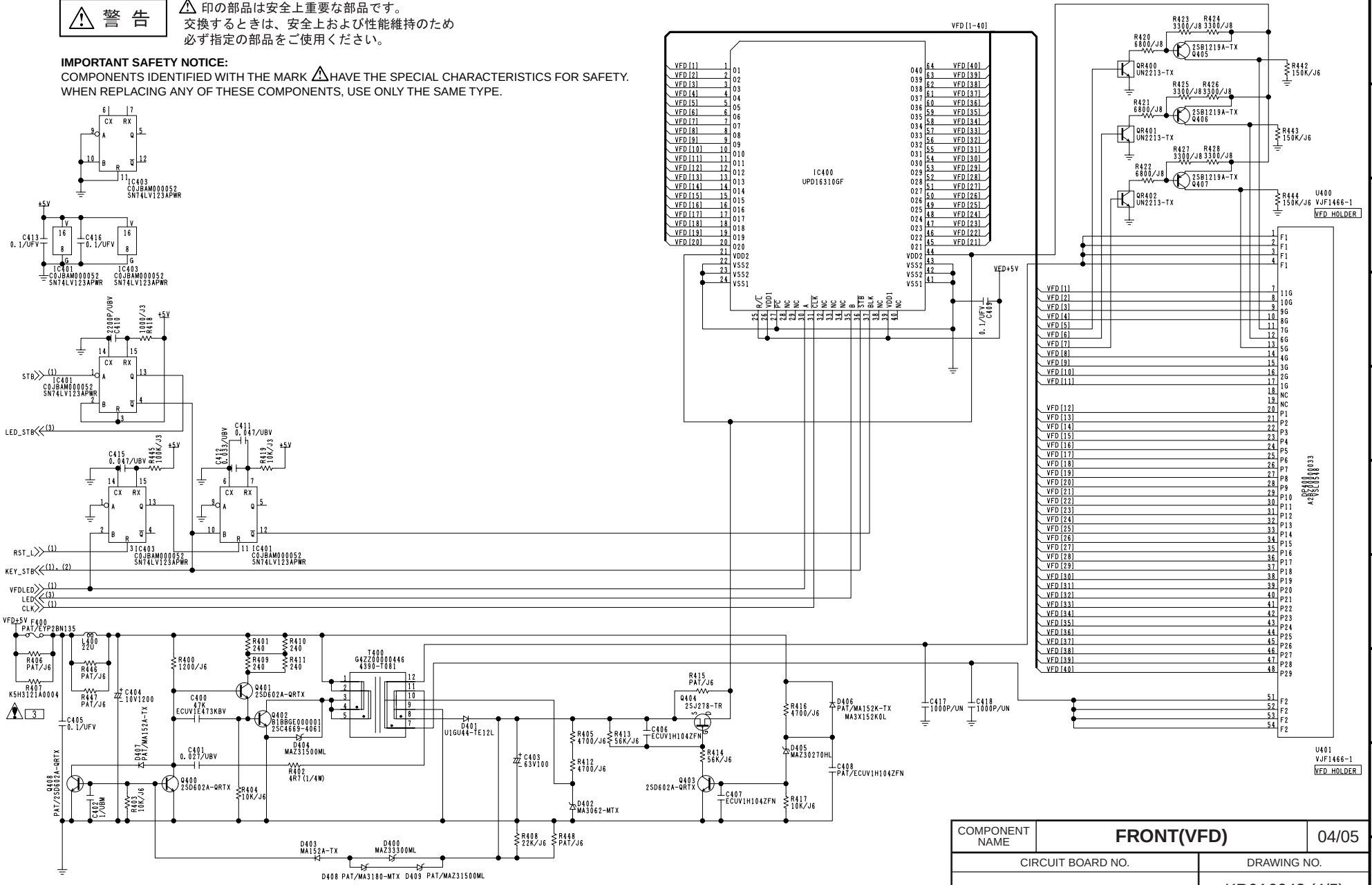


COMPONENT NAME	**FRONT(LED)**	03/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86337C	KR6A0043 (3/5) (0)	
	SCM179	

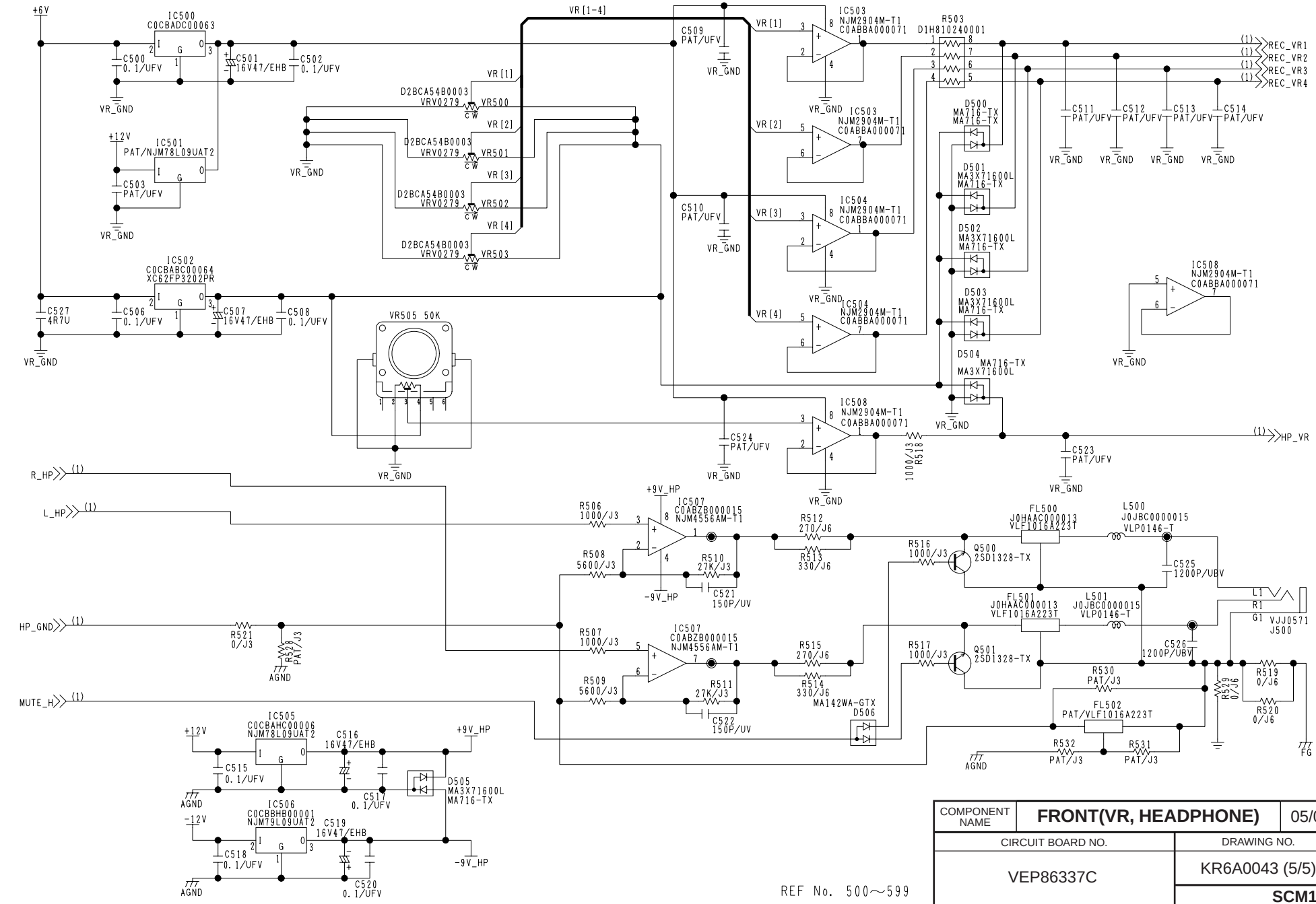
⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

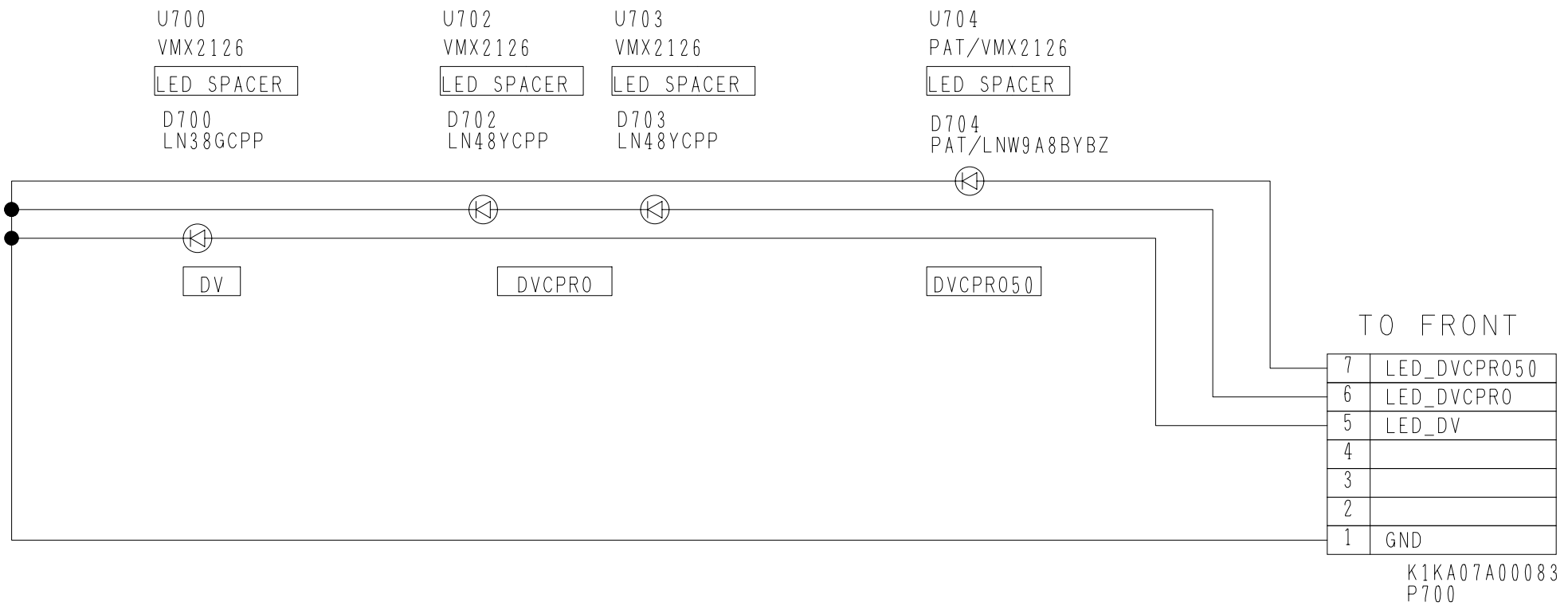
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.



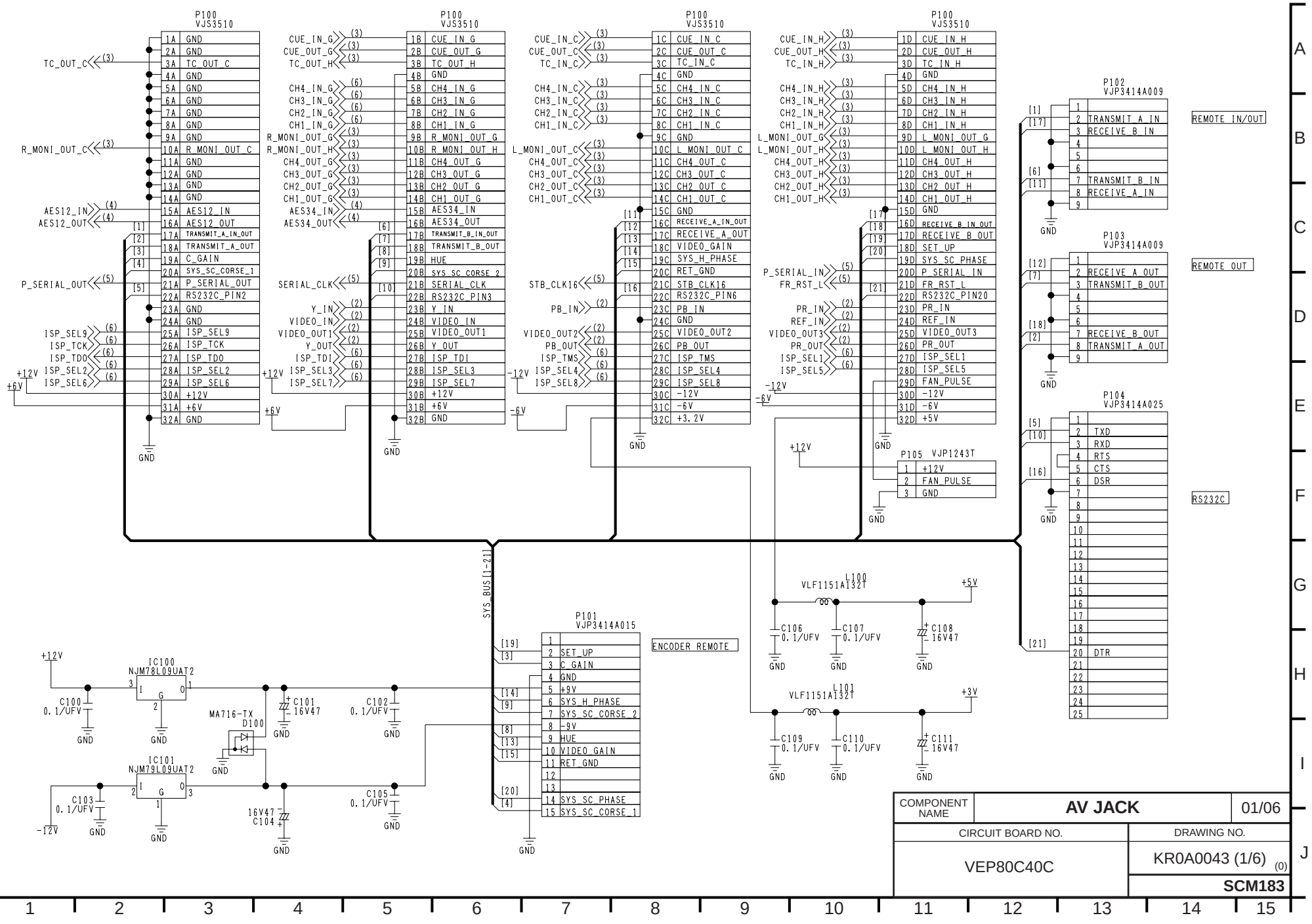
COMPONENT NAME	**FRONT(VFD)**	04/05
CIRCUIT BOARD NO.	DRAWING NO.	
VEP86337C	KR6A0043 (4/5) (0)	
	SCM180	



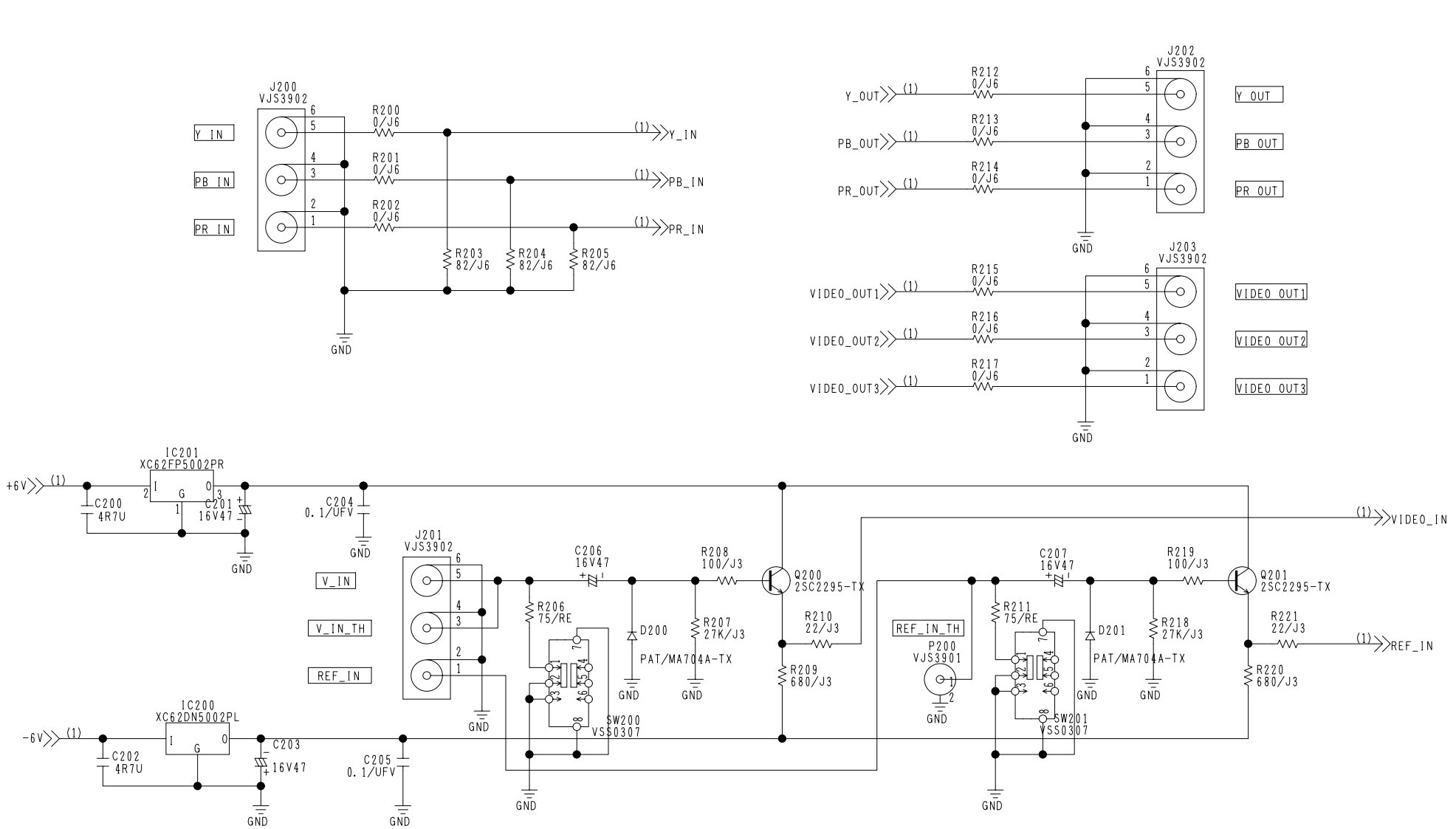
COMPONENT NAME	FRONT(VR, HEADPHONE)	05/05
CIRCUIT BOARD NO.		DRAWING NO.
VEP86337C		KR6A0043 (5/5) (0)
		SCM181



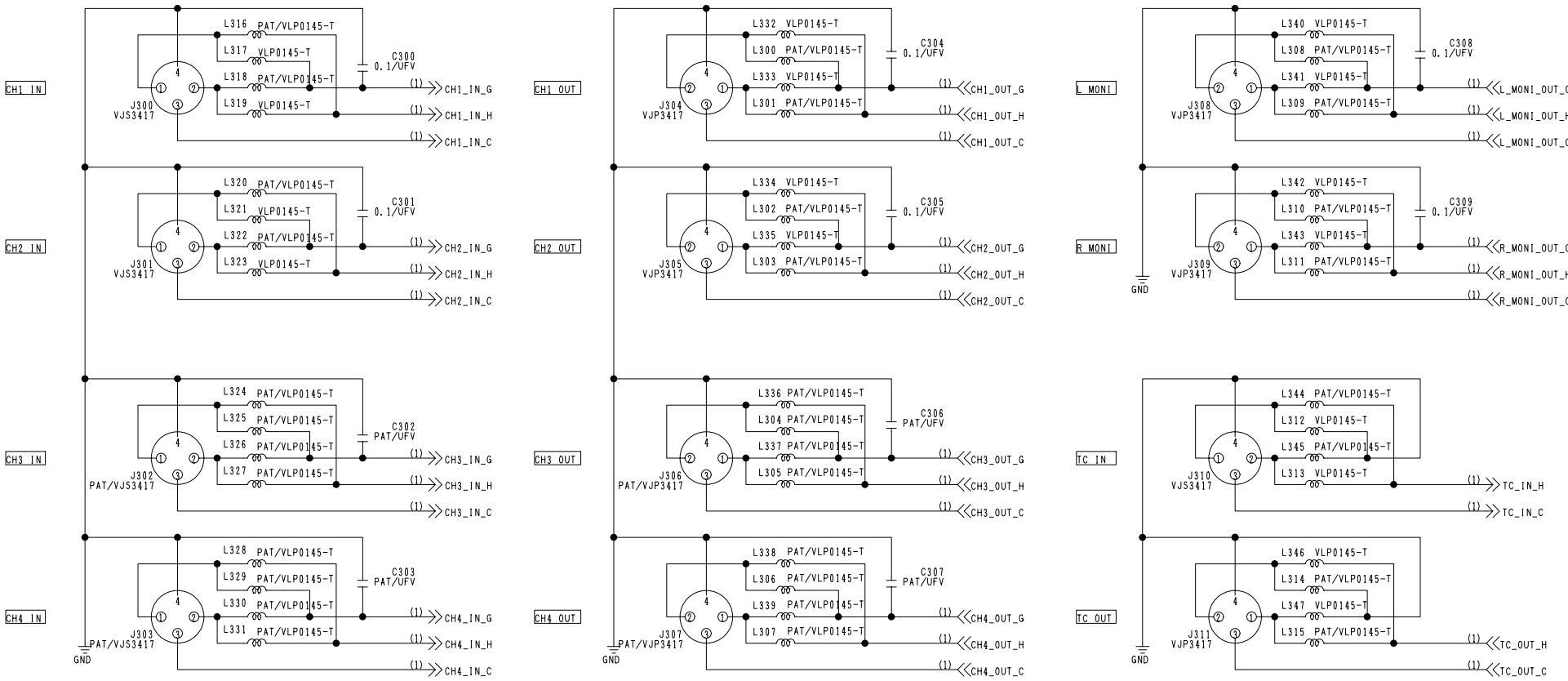
COMPONENT NAME	**FRONT SUB**	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C79B		KR0A0066 (1/1) (0)
		SCM182



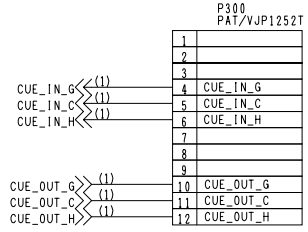
COMPONENT NAME	**AV JACK**	01/06
CIRCUIT BOARD NO.	DRAWING NO.	
VEP80C40C	KR0A0043 (1/6) (0)	
	SCM183	



COMPONENT NAME	AV JACK	02/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40C		KR0A0043 (2/6) (0)
		SCM184



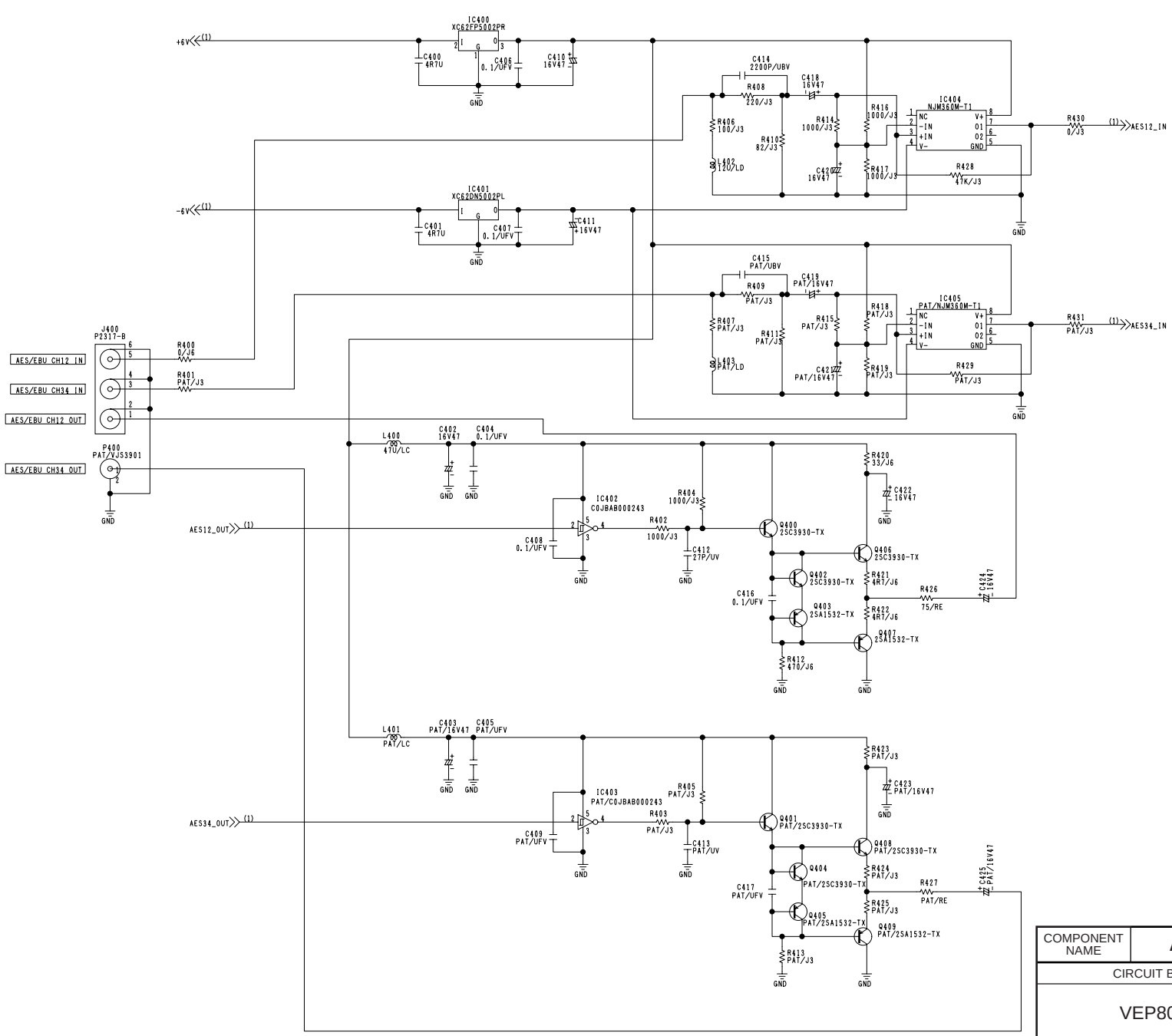
INPUT		J300, J301, J302, J303		J310	L316, L318, L320, L322 L324, L326, L328, L330 L344, L345	L312, L313 L317, L319, L321, L323 L325, L327, L329, L331
	P/E	VJS3417		VJS3417	–	VLP0145-T
	T	VJP3417		VJP3417	VLP0145-T	–
OUTPUT		J304, J305, J306, J307	J308, J309	J311	L332, L333, L334, L335 L336, L337, L338, L339 L340, L341, L342, L343 L346, L347	L300, L301, L302, L303 L304, L305, L306, L307 L308, L309, L310, L311 L314, L315
	P/E	VJP3417	VJP3417	VJP3417	VLP0145-T	–
	T	VJS3417	VJS3417	VJS3417	–	VLP0145-T



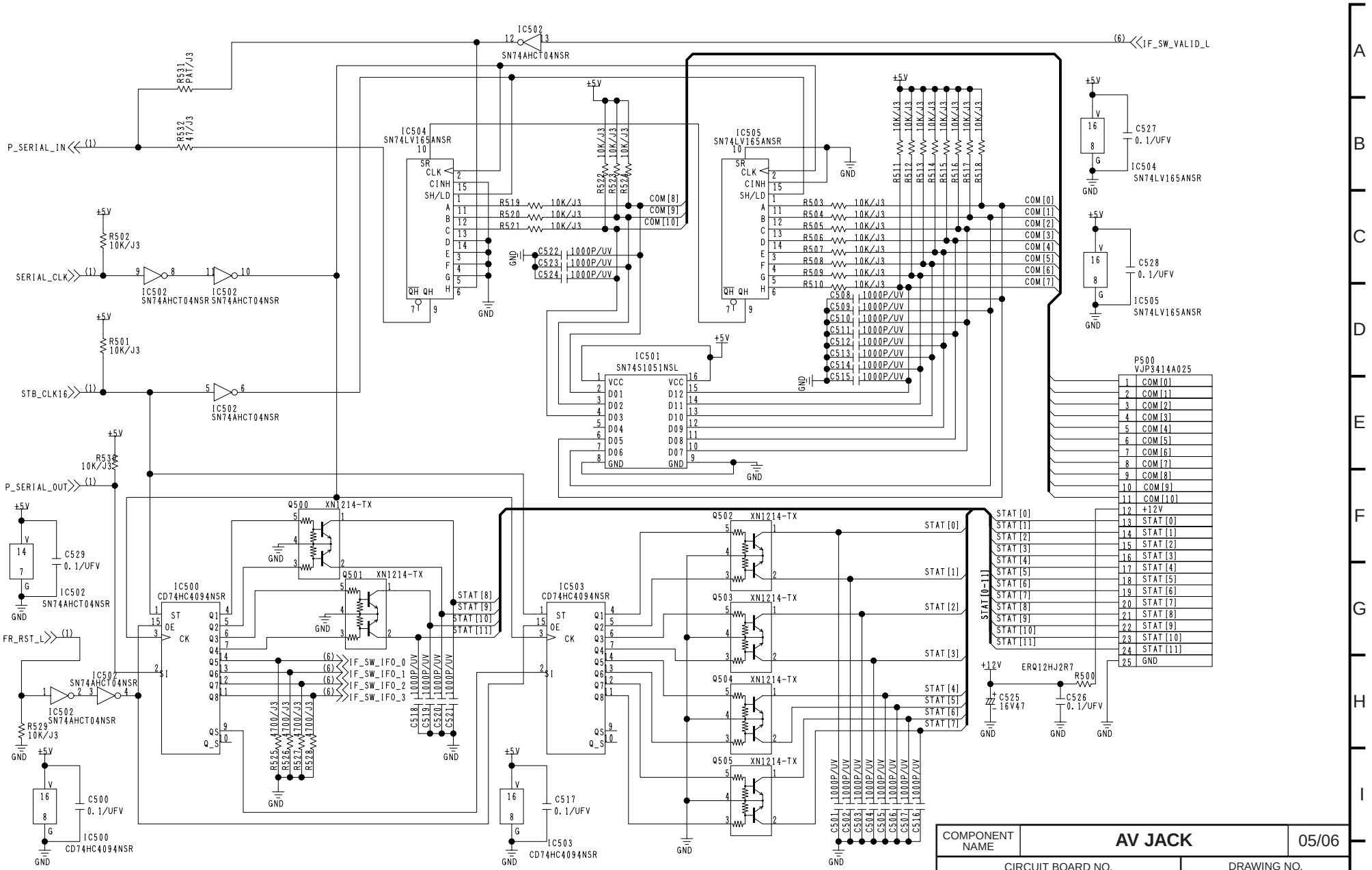
COMPONENT NAME	**AV JACK(AUDIO ANALOG I/O)**	03/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40C		KR0A0043 (3/6) (0)
		SCM185

A B C D E F G H I J

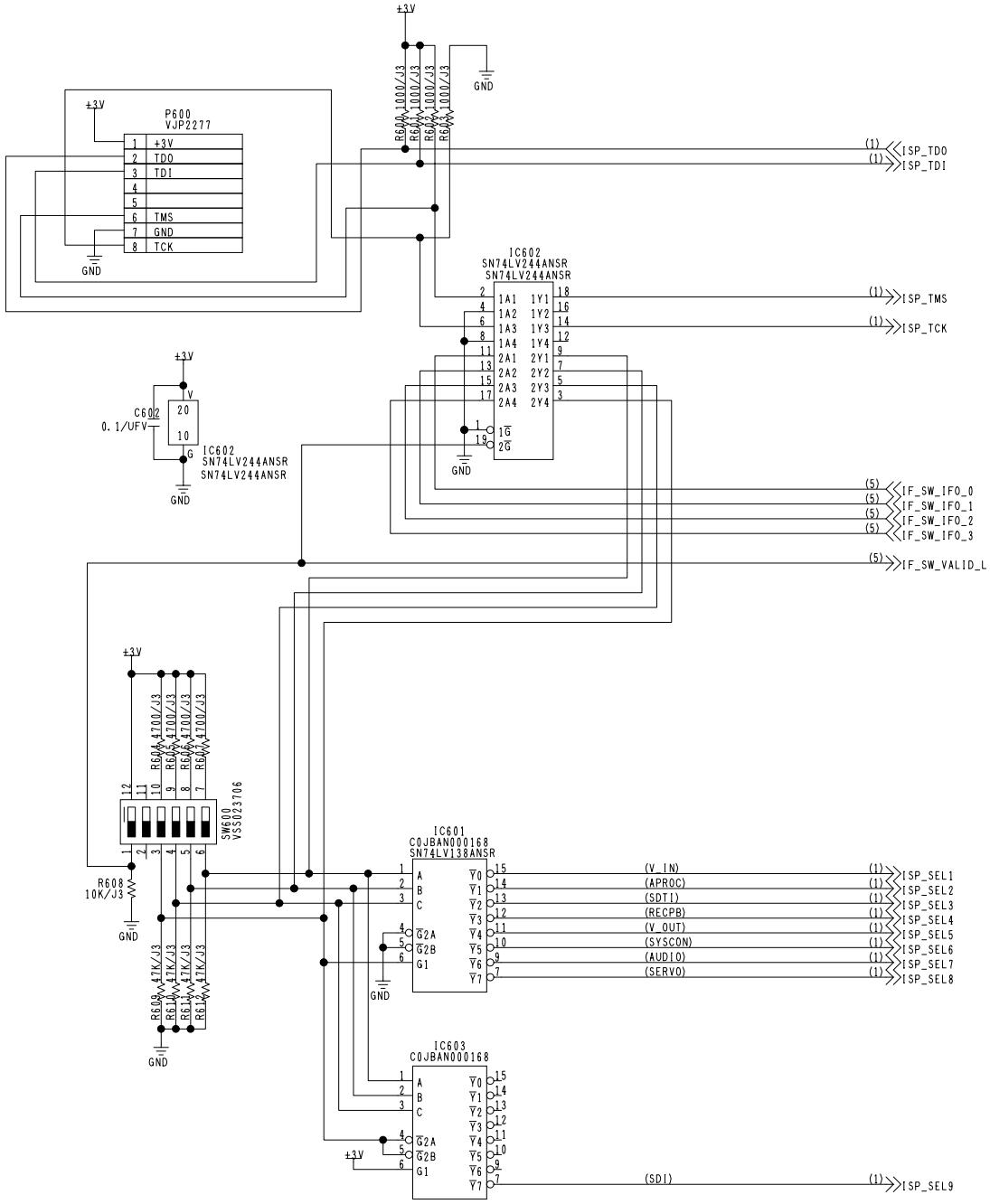
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



COMPONENT NAME	**AV JACK(AES_IN/OUT)**	04/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40C		KR0A0043 (4/6) (0)
		SCM186



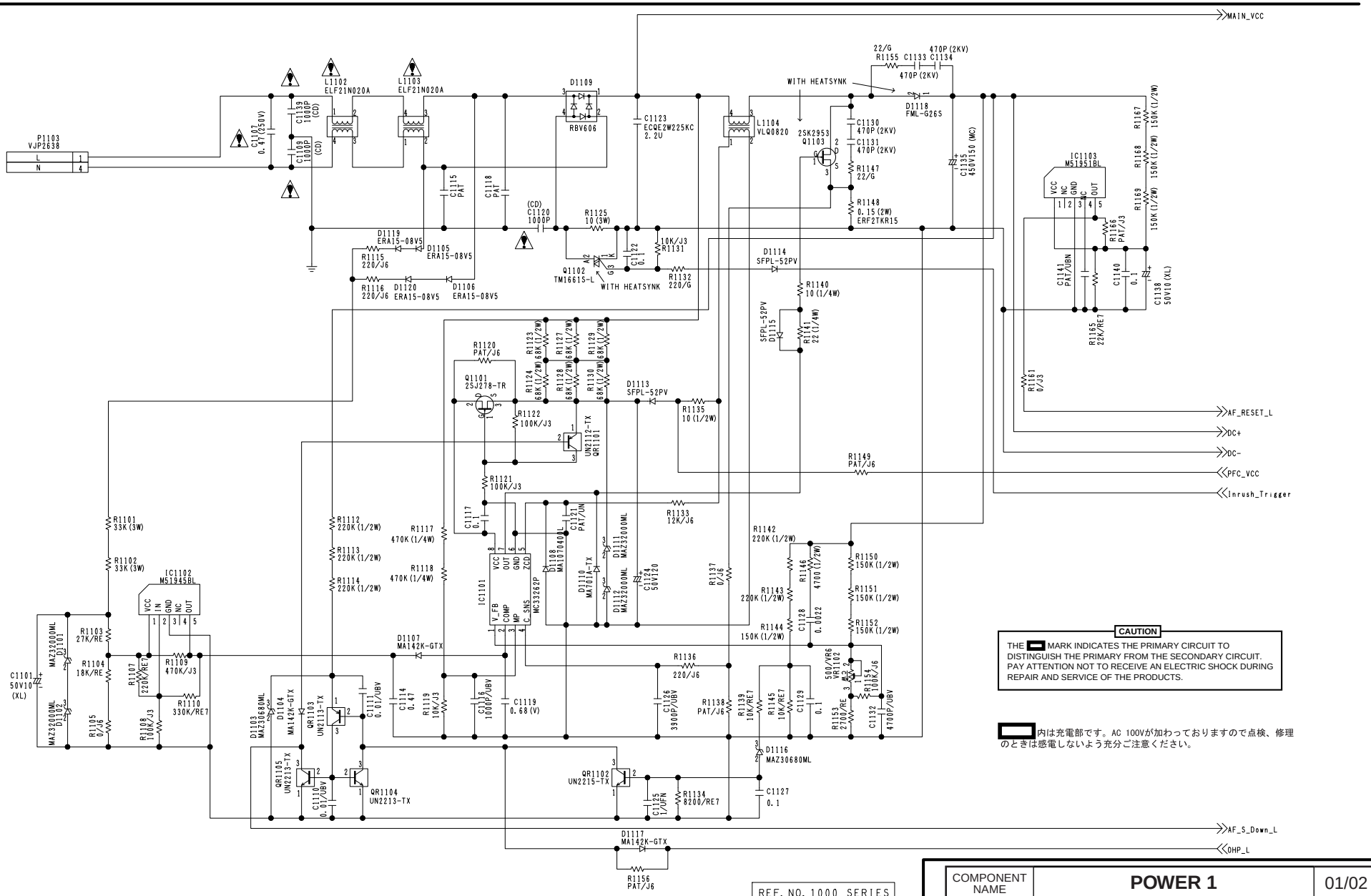
COMPONENT NAME	AV JACK	05/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40C		KR0A0043 (5/6) (0)
		SCM187



	SW1	SW2	SW3	SW4	SW5	SW6
(Menu)	OFF	–	OFF	OFF	OFF	OFF
(F2A) V_IN	ON	–	ON	OFF	OFF	OFF
(F2B) APROC	ON	–	ON	OFF	OFF	ON
(F3B) SDTI/1394	ON	–	ON	OFF	ON	OFF
(F4) RECPB	ON	–	ON	OFF	ON	ON
(F5) V_OUT	ON	–	ON	ON	OFF	OFF
(F6) SYSCON	ON	–	ON	ON	OFF	ON
(F1) AUDIO	ON	–	ON	ON	ON	OFF
(F7) SERVO	ON	–	ON	ON	ON	ON
(F3A) SDI	ON	–	OFF	ON	ON	ON

Notice: '–' means Don't Care

COMPONENT NAME	AV JACK(FPGA CONFIG PORT)	06/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C40C		KR0A0043 (6/6) (0)
		SCM188

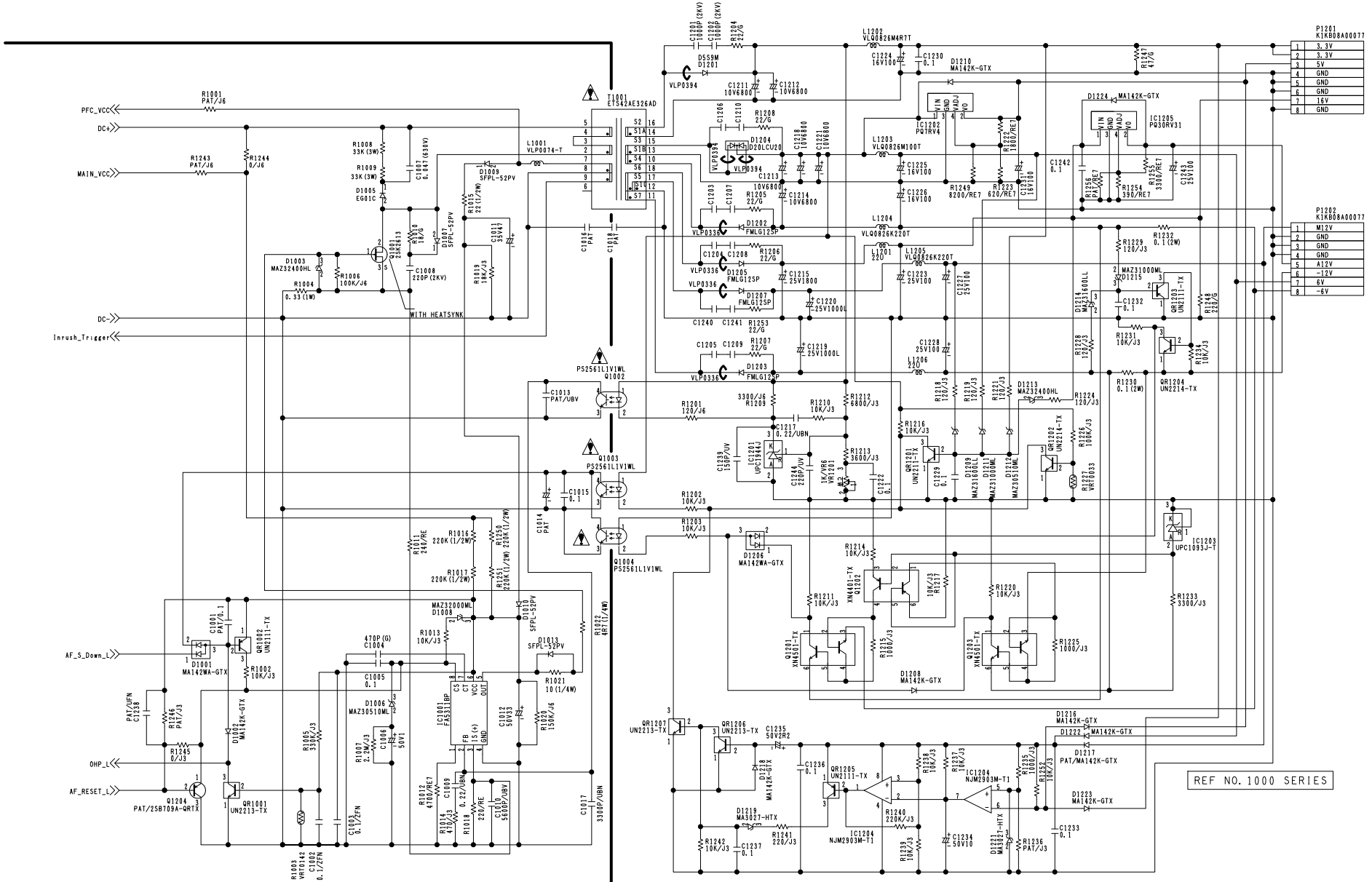


COMPONENT NAME	POWER 1	01/02
CIRCUIT BOARD NO.	DRAWING NO.	
VEP81221C	KR1G29 (1/2) (0)	
	SCM189	

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため必ず指定の部品をご使用ください。



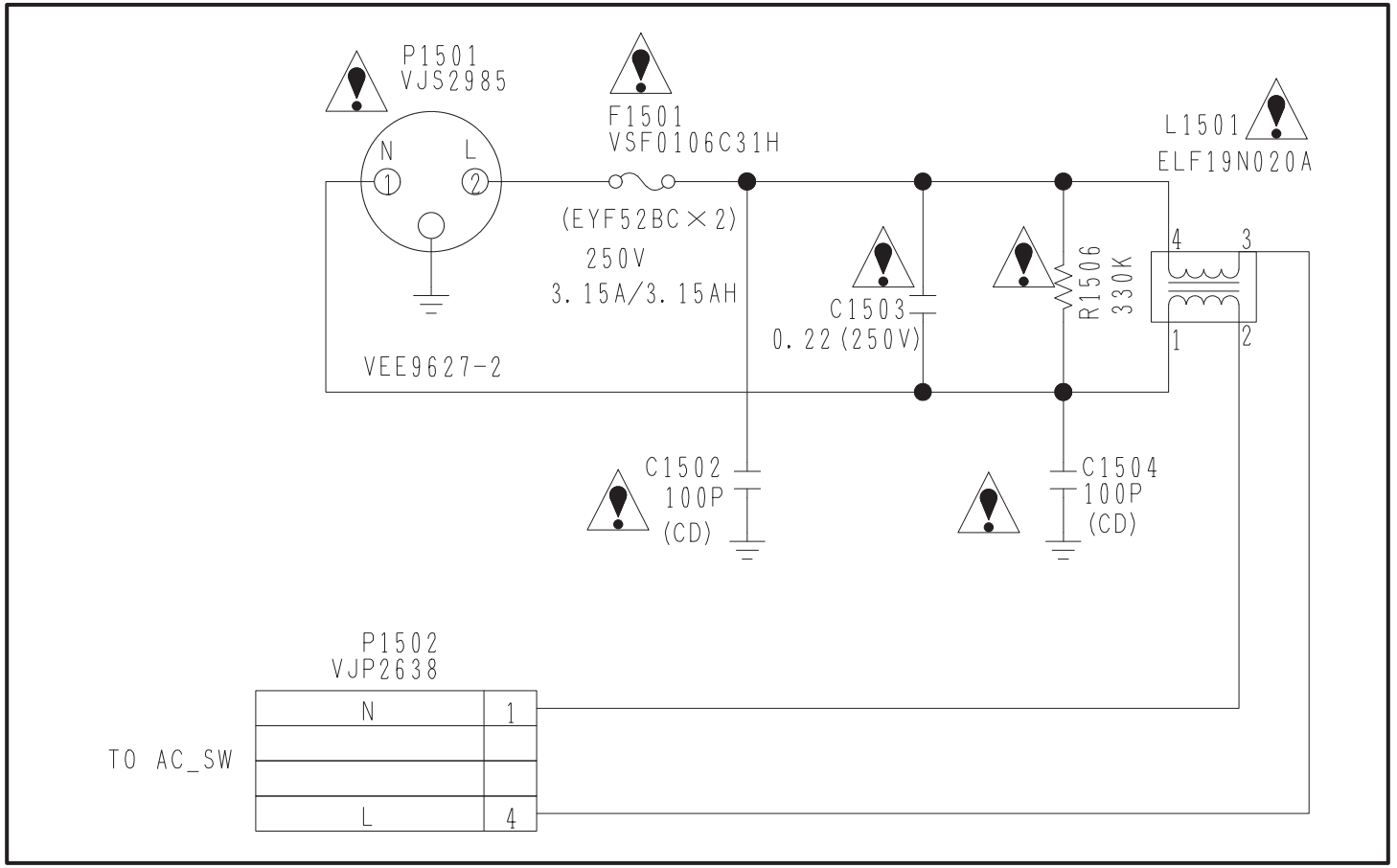
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

⚠ 警 告
⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

CAUTION
THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

▭内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

COMPONENT NAME	POWER 1	02/02
CIRCUIT BOARD NO.		DRAWING NO.
VEP81221C		KR1G29 (2/2) (0)
		SCM190



⚠ 警 告

⚠ 印の部品は安全上重要な部品です。
交換するときは、安全上および性能維持のため
必ず指定の部品をご使用ください。

▭ 内は充電部です。AC 100Vが加わっておりますので点検、修理のときは感電しないよう充分ご注意ください。

CAUTION

THE ▭ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

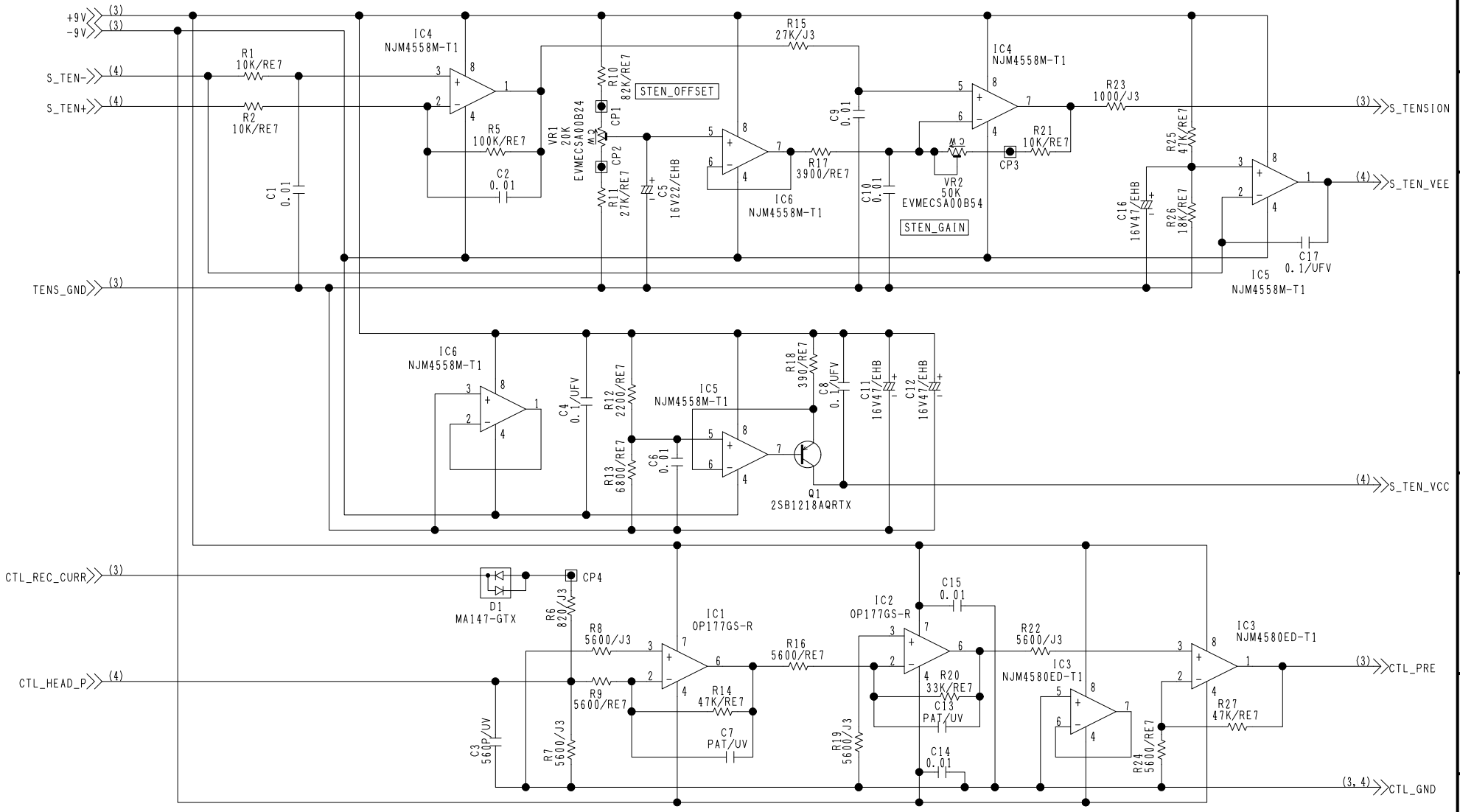
IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

REF. NO. 1500 SERIES

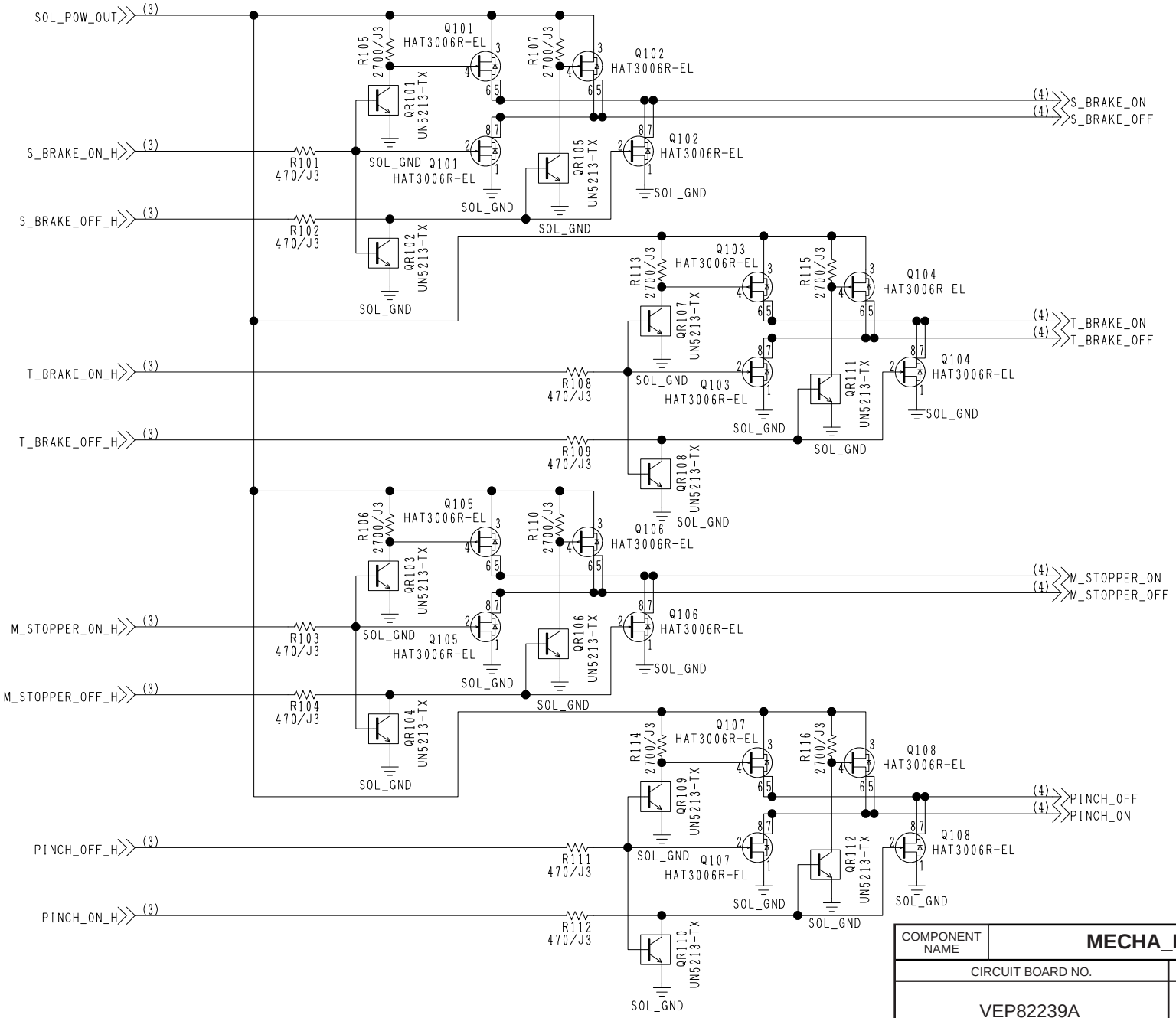
COMPONENT NAME	POWER 2	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP81222A		KR1E86 (1/1) (1)
		SCM191

A B C D E F G H I J

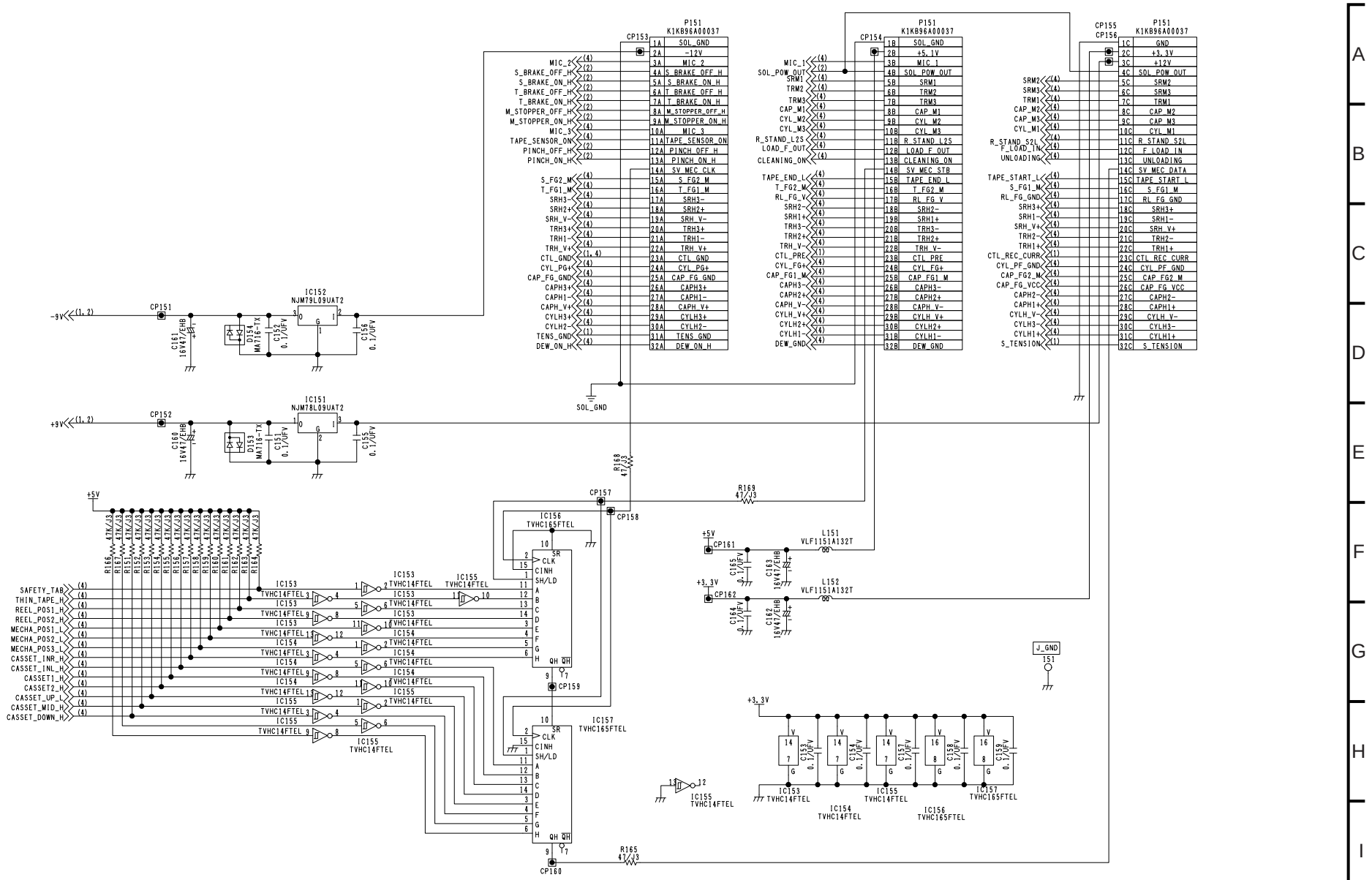
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



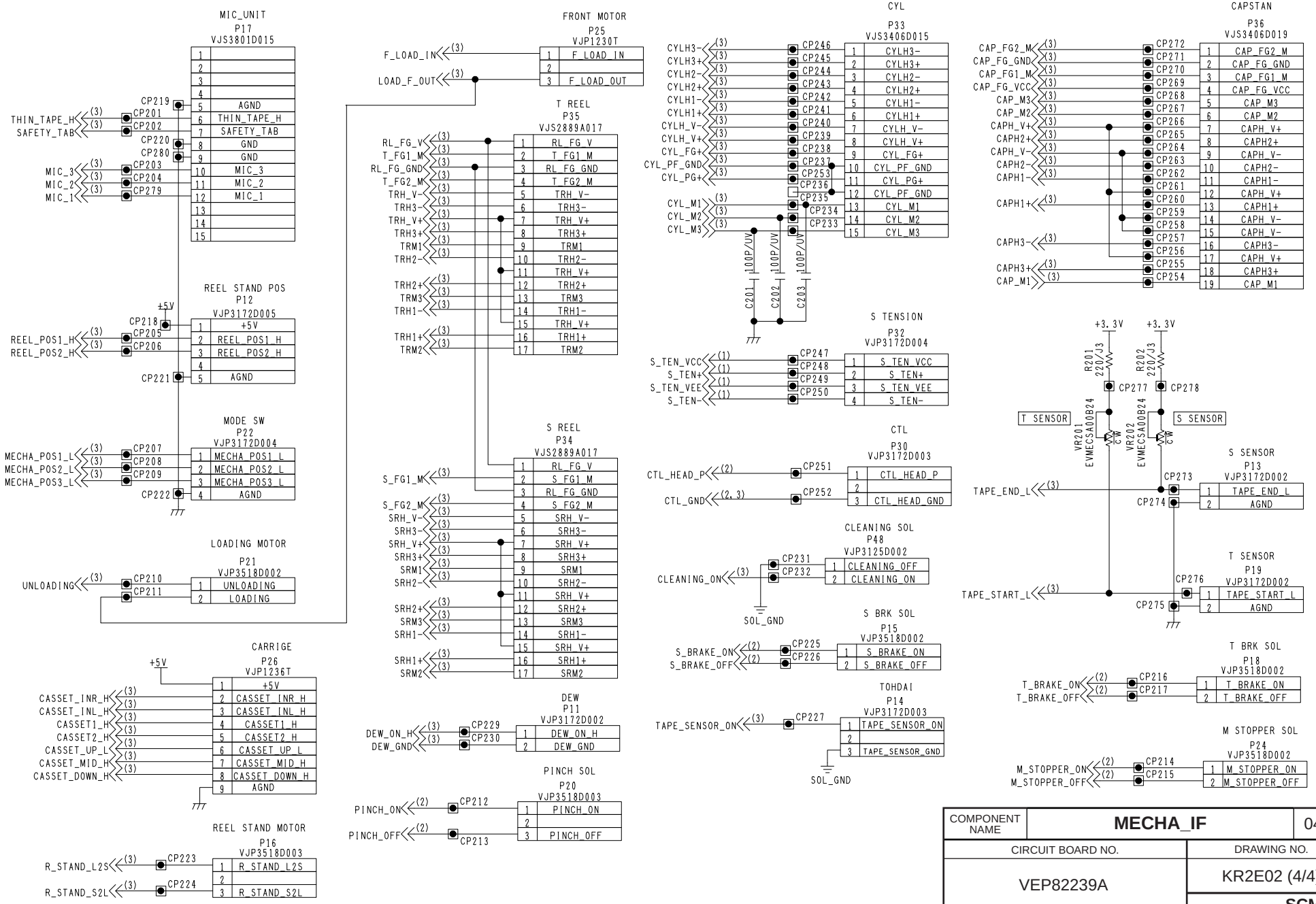
COMPONENT NAME	MECHA_IF	01/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (1/4) (0)
		SCM192



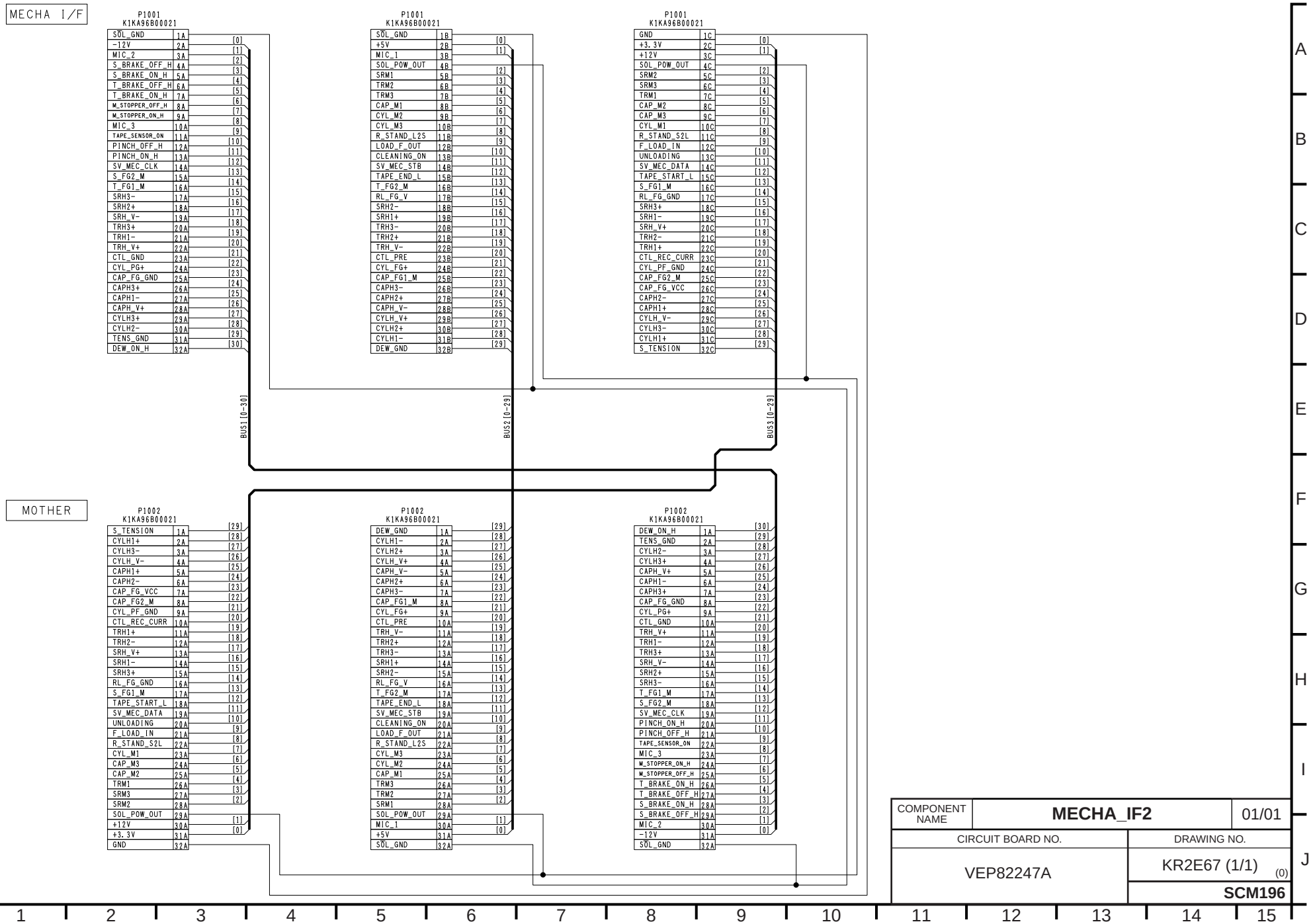
COMPONENT NAME	MECHA_IF	02/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (2/4) (0)
		SCM193



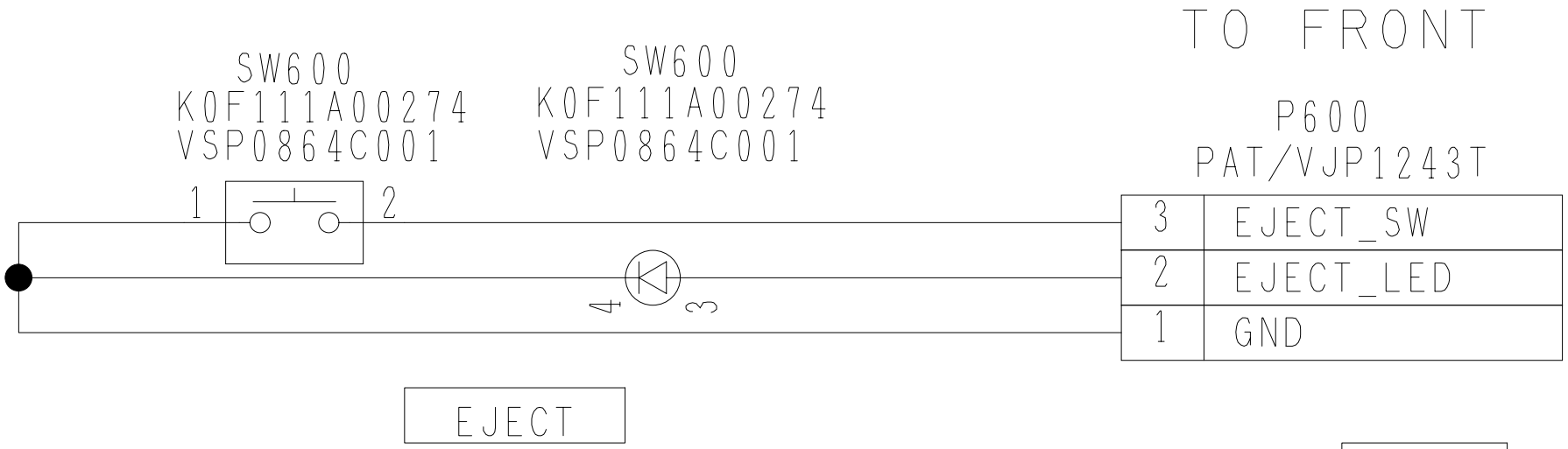
COMPONENT NAME	**MECHA_IF**	03/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (3/4) (0)
		SCM194



COMPONENT NAME	MECHA_IF	04/04
CIRCUIT BOARD NO.		DRAWING NO.
VEP82239A		KR2E02 (4/4) (0)
		SCM195



COMPONENT NAME	MECHA_IF2	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP82247A		KR2E67 (1/1) (0)
		SCM196



EJECT

CABLE

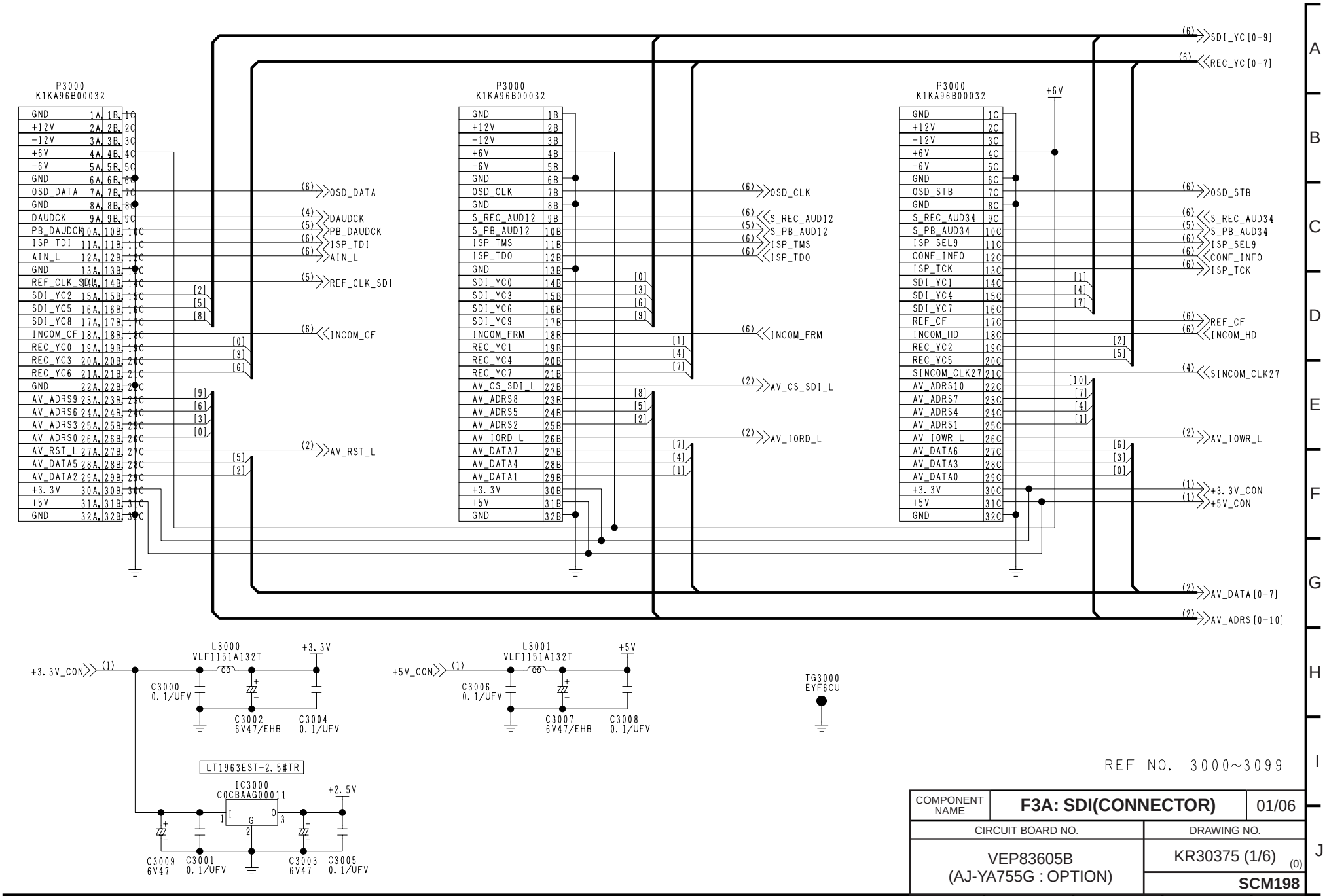
U600

VWJ03CN060AA

COMPONENT NAME	EJECT	01/01
CIRCUIT BOARD NO.		DRAWING NO.
VEP80C78A		KR0A0064 (1/1) (0)
		SCM197

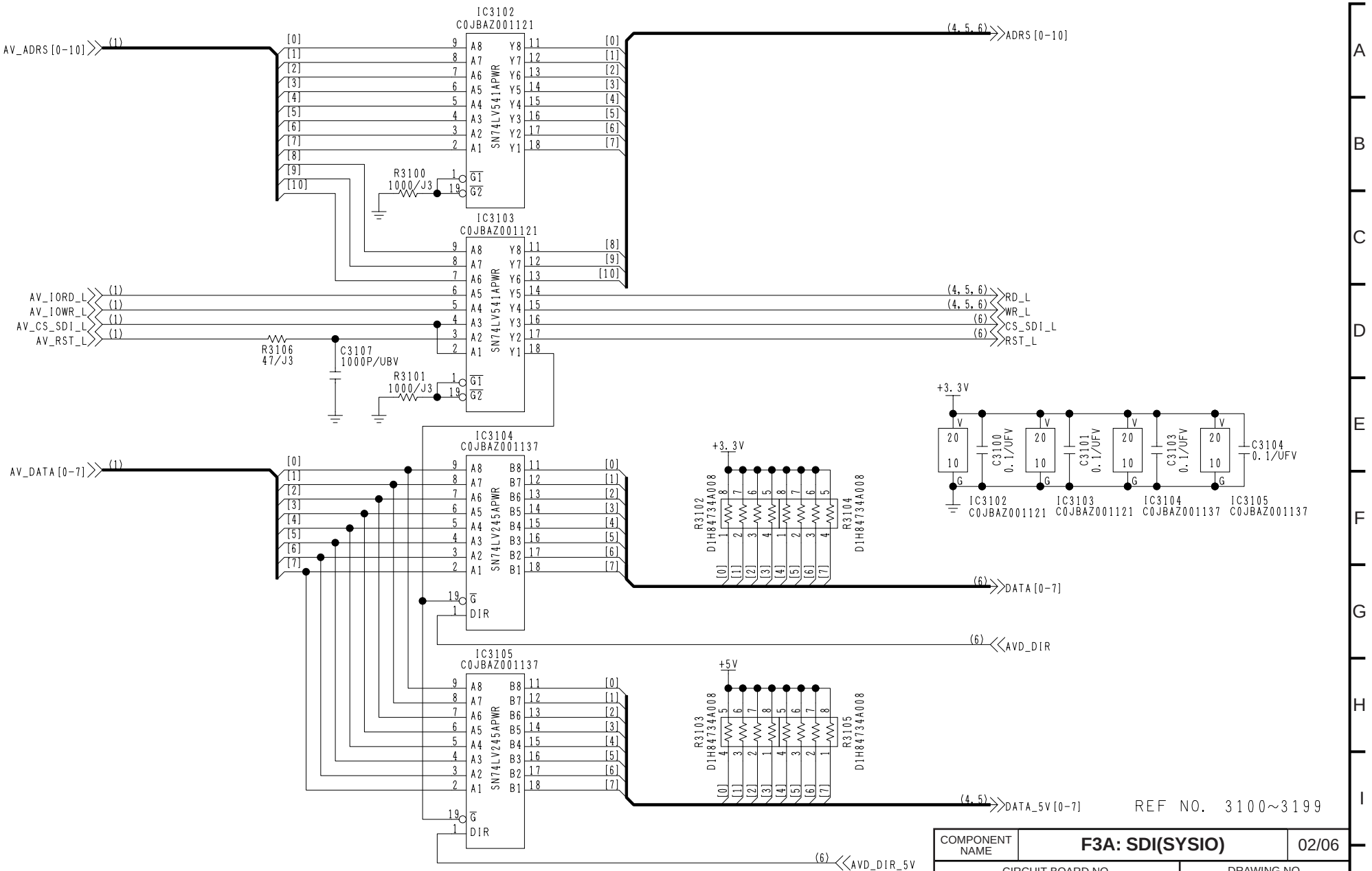
A B C D E F G H I J

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

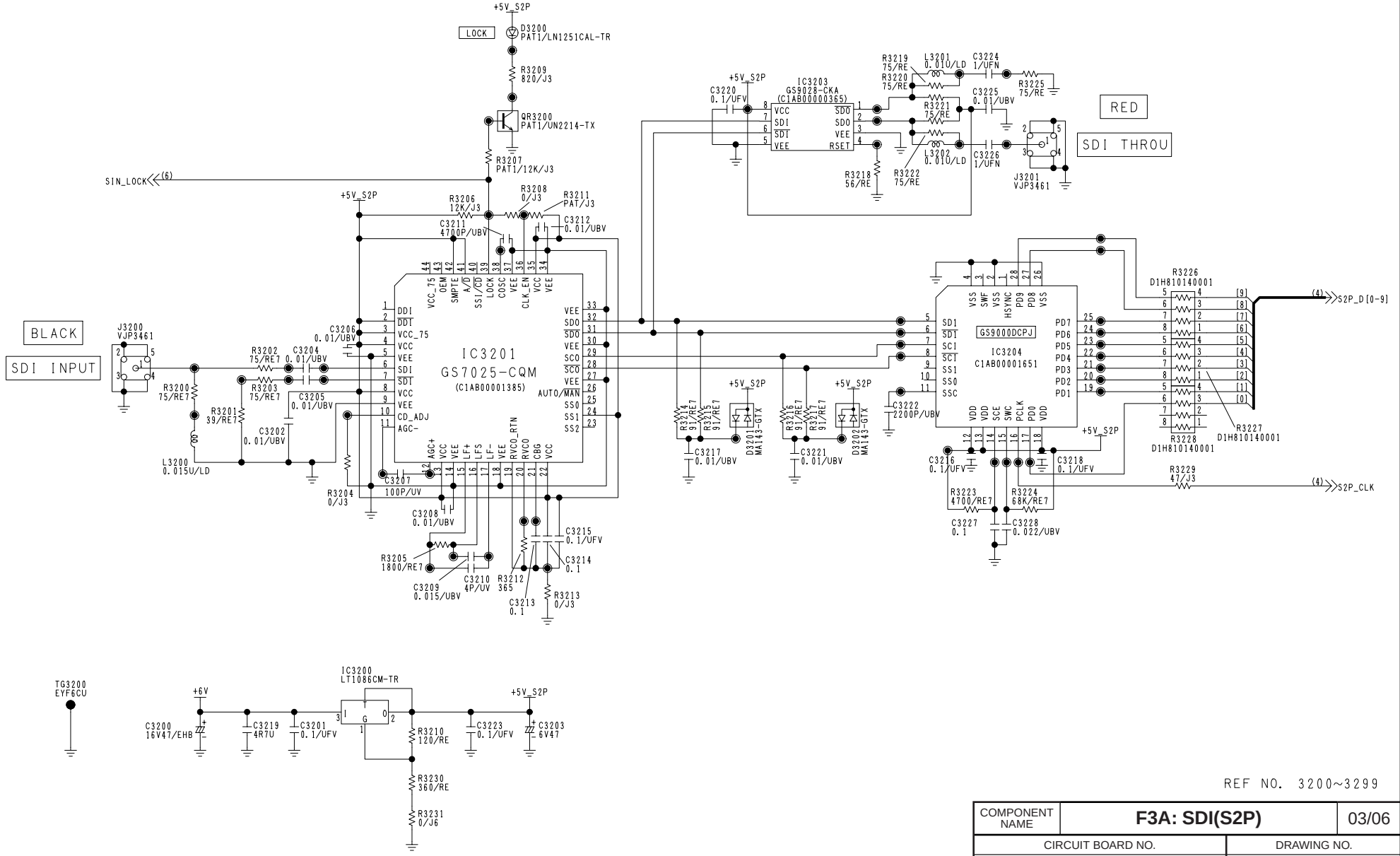


REF NO. 3000~3099

COMPONENT NAME	F3A: SDI(CONNECTOR)	01/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83605B (AJ-YA755G : OPTION)		KR30375 (1/6) (0) SCM198

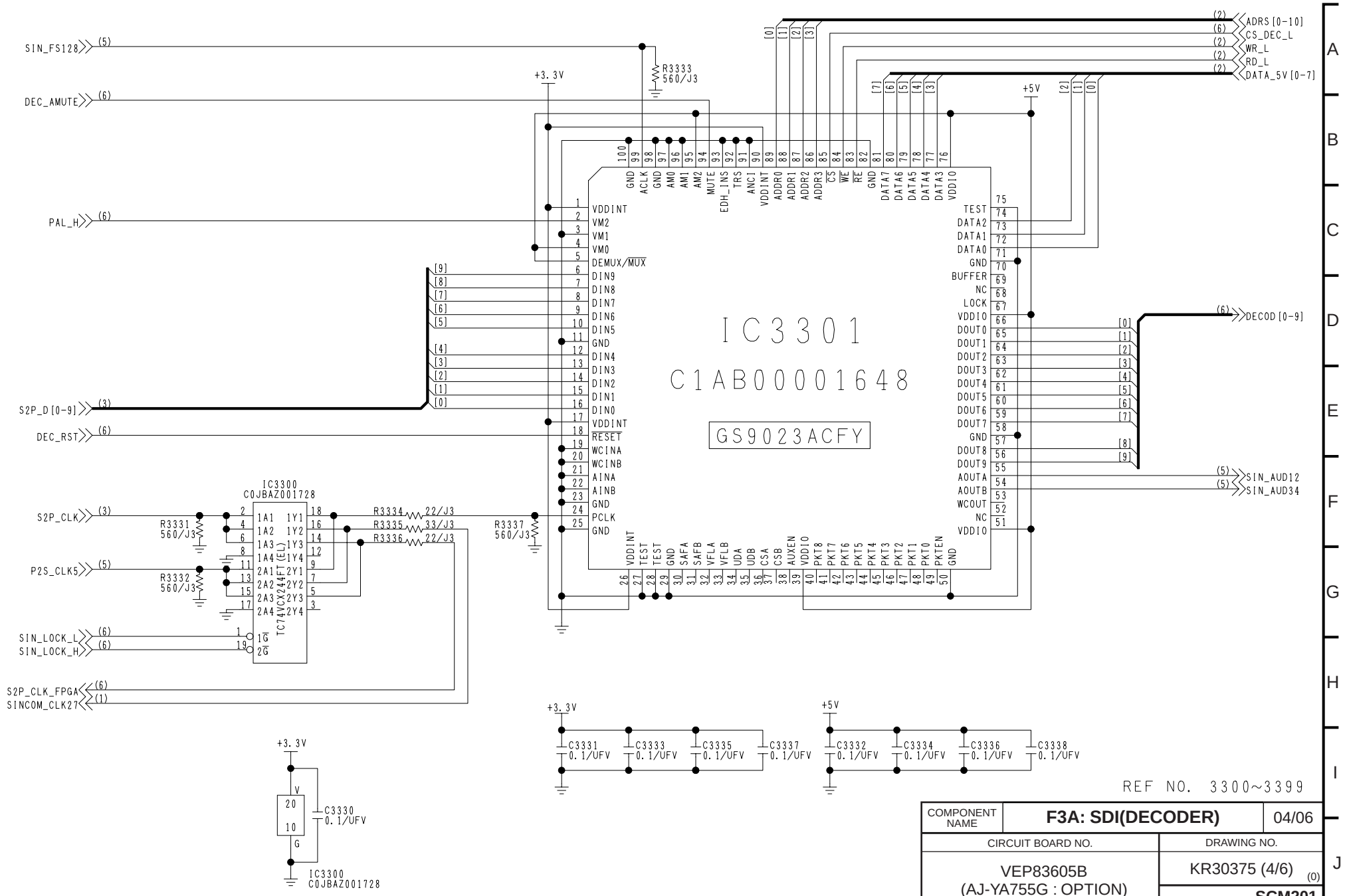


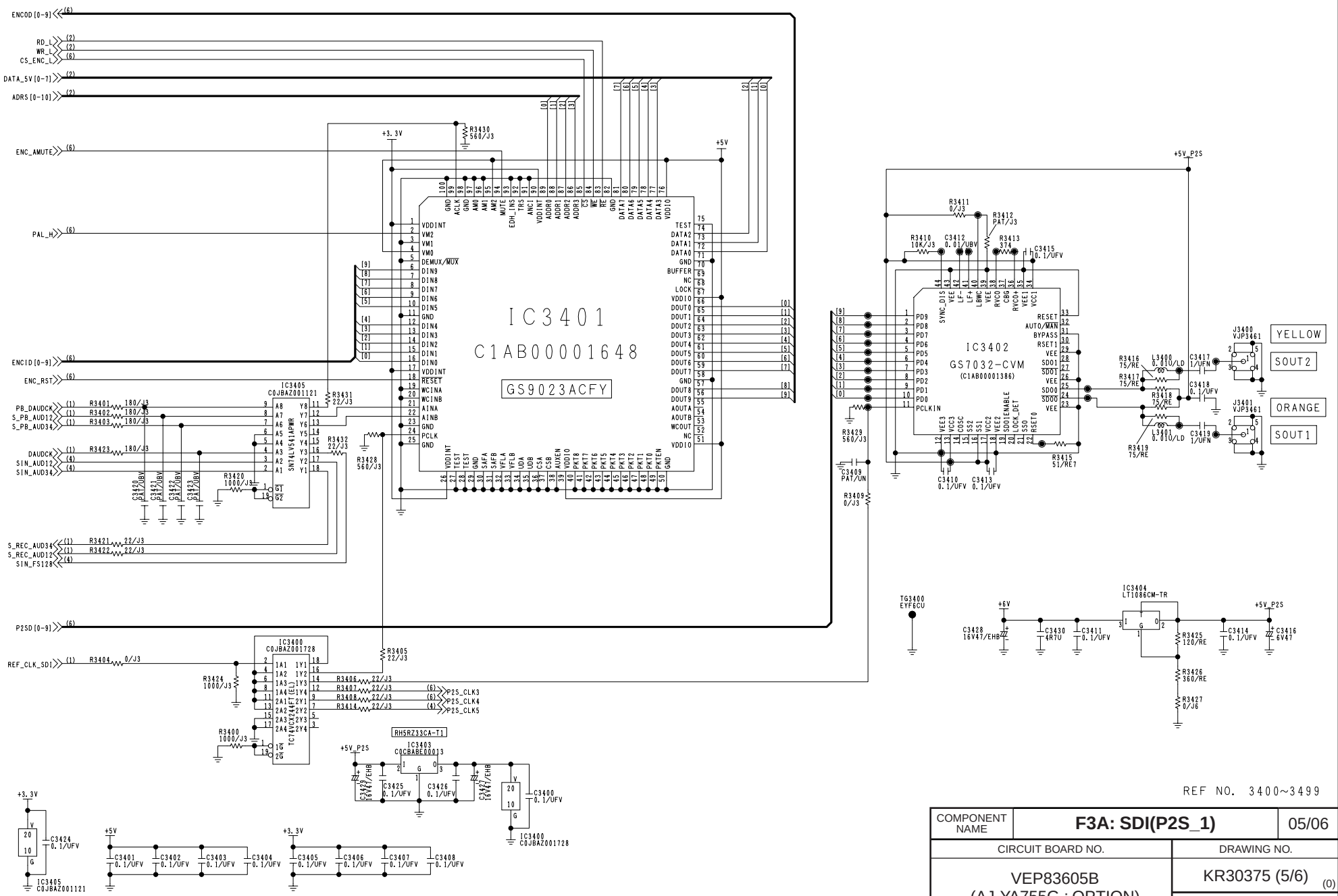
COMPONENT NAME	F3A: SDI(SYSIO)	02/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83605B (AJ-YA755G : OPTION)		KR30375 (2/6) (0)
		SCM199

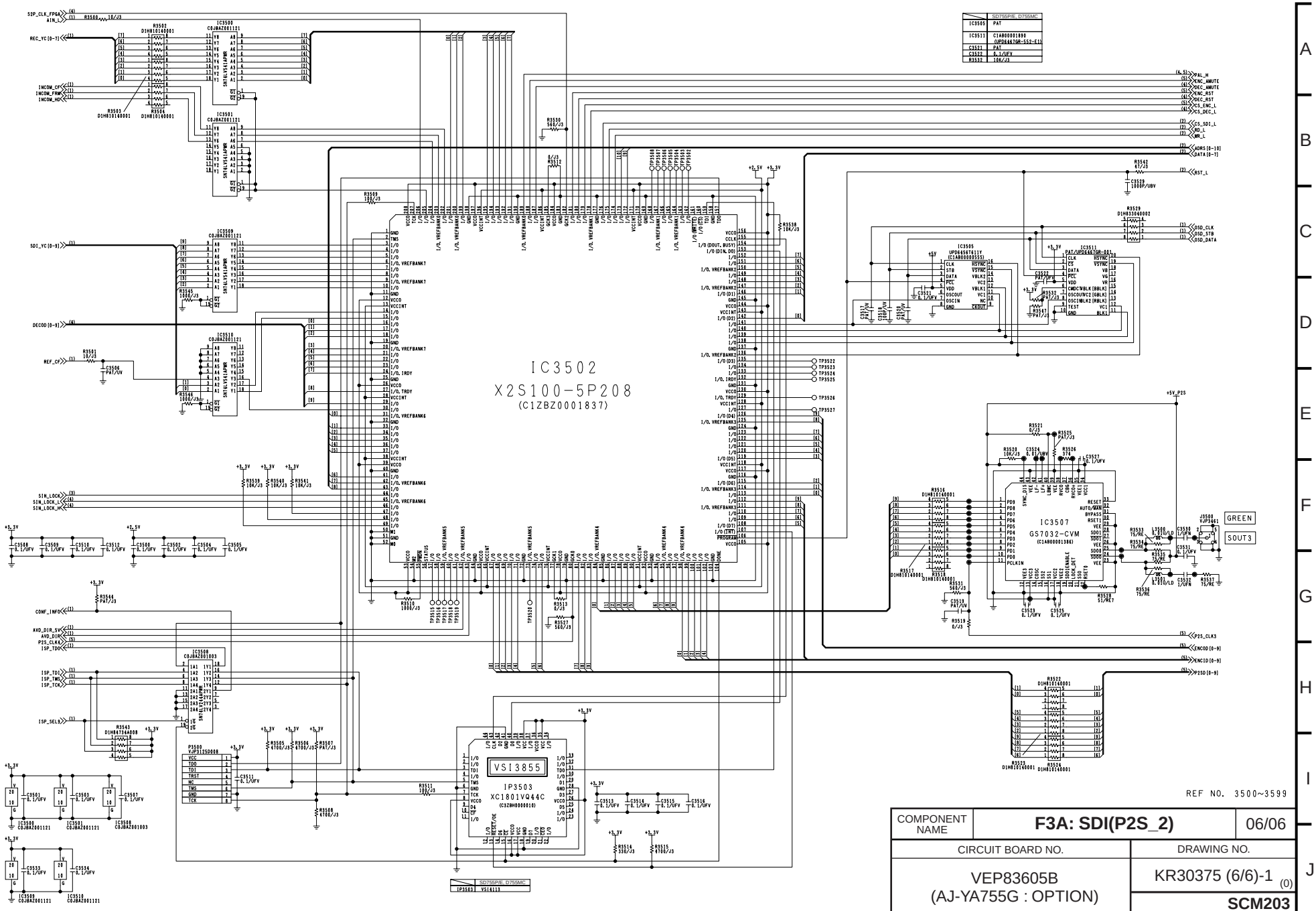


REF NO. 3200~3299

COMPONENT NAME	F3A: SDI(S2P)	03/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83605B (AJ-YA755G : OPTION)		KR30375 (3/6) (0)
		SCM200


SIN_FS128
DEC_AMUTE
PAL_H
S2P_D[0-9]
DEC_RST
S2P_CLK
P2S_CLK5
SIN_LOCK_L
SIN_LOCK_H
S2P_CLK_FPGA
SINCOM_CLK27
R3333 560/J3
R3331 560/J3
R3332 560/J3
R3334 22/J3
R3335 33/J3
R3336 22/J3
R3337 560/J3
+3.3V
+5V
IC3300 C0JBAZ001728
TC74VCX244FT(EL)
IC3301
C1AB00001648
GS9023ACFY
ADRS[0-10]
CS_DEC_L
WR_L
RD_L
DATA_5V[0-7]
DECOD[0-9]
SIN_AUD12
SIN_AUD34
C3330 0.1/UFV
C3331 0.1/UFV
C3333 0.1/UFV
C3335 0.1/UFV
C3337 0.1/UFV
C3332 0.1/UFV
C3334 0.1/UFV
C3336 0.1/UFV
C3338 0.1/UFV
REF NO. 3300~3399
COMPONENT NAME
F3A: SDI(DECODER)
04/06
CIRCUIT BOARD NO.
VEP83605B
(AJ-YA755G : OPTION)
DRAWING NO.
KR30375 (4/6) (0)
SCM201


IC3401
C1AB00001648
GS9023ACFY
IC3402
GS7032-CVM
(C1AB00001386)
IC3403
C0CBABE000
IC3404
LT1086CM-TR
IC3405
C0JBAZ001121
IC3400
C0JBAZ001728
YELLOW
SOUT2
ORANGE
SOUT1
ENCOD [0-9]
RD_L
WR_L
CS_ENC_L
DATA_5V [0-7]
ADRS [0-10]
ENC_AMUTE
PAL_H
ENCID [0-9]
ENC_RST
P2SD [0-9]
REF_CLK_SDI
+3.3V
+5V
+5V_P2S
+6V
REF NO. 3400~3499
COMPONENT NAME
F3A: SDI(P2S_1)
05/06
CIRCUIT BOARD NO.
VEP83605B
(AJ-YA755G : OPTION)
DRAWING NO.
KR30375 (5/6) (0)
SCM202



COMPONENT NAME	F3A: SDI(P2S_2)	06/06
CIRCUIT BOARD NO.		DRAWING NO.
VEP83605B (AJ-YA755G : OPTION)		KR30375 (6/6)-1 (0)
		SCM203

SECTION 7

EXPLODED VIEWS
&
REPLACEMENT PARTS LIST

Note:

1. *Be sure to make your orders of replacement parts according to this list.
2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μF), P=μμF.
3. The P.C. Board unit marked with "■" shown below the main assembled parts.
4. The parts marked with Ⓔ on the exploded view show the electric parts.
5. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components, use only the same type.
6. The marking (RTL) indicates the retention time is limited for this item.
   After the discontinuation of this assembly in production, it will no longer be available.
7. "(M)" in Remark column indicates needed in the periodical maintenance.

CONTENTS

SERVICING FIXTURES & TOOLS PRT-1
MECHANICAL CHASSIS ASSEMBLY (1) PRT-2
MECHANICAL CHASSIS ASSEMBLY (2) PRT-4
SUB CHASSIS ASSEMBLY PRT-6
CASSETTE COMPARTMENT ASSEMBLY PRT-8
CASING PARTS ASSEMBLY PRT-10
FRONT PANEL ASSEMBLY PRT-12
CHASSIS FRAME ASSEMBLY PRT-14
REAR PANEL ASSEMBLY PRT-16
PACKING PARTS ASSEMBLY PRT-18
ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD755P) PRT-20
ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD755E/ D755MC) PRT-57
PACKING PARTS ASSEMBLY (AJ-YA755G) PRT-94
ELECTRICAL REPLACEMENT PARTS LIST (AJ-YA755G) PRT-96

AJ-SD755P				AJ-SD755E/ D755MC			
Ref. No.	**Parts No.**	**P.C.Board**	**Page**	**Ref. No.**	**Parts No.**	**P.C.Board**	**Page**
E1	VEP84383C	F1 AUDIO	PRT-20	E1	VEP84383C	F1 AUDIO	PRT-57
E2	VEP83594B	F2A V IN	PRT-24	E2	VEP83594A	F2A V IN	PRT-61
E3	VEP84384B	F2B A PROC	PRT-29	E3	VEP84384B	F2B A PROC	PRT-66
E4	VEP83629E	F4 REC PB	PRT-29	E4	VEP83629D	F4 REC PB	PRT-66
E5	VEP83597E	F5 V OUT	PRT-34	E5	VEP83597D	F5 V OUT	PRT-70
E6	VEP86326J	F6 SYSCON	PRT-37	E6	VEP86326H	F6 SYSCON	PRT-74
E7	VEP82246E	F7 SERVO	PRT-40	E7	VEP82246E	F7 SERVO	PRT-77
E8	VEP85207B	F8 RF EQ	PRT-44	E8	VEP85207B	F8 RF EQ	PRT-81
E9	VEP85217A	RF CUE	PRT-48	E9	VEP85217A	RF CUE	PRT-85
E10	VEP80C41A	MOTHER	PRT-50	E10	VEP80C41A	MOTHER	PRT-87
E11	VEP82239A	MECHA IF	PRT-51	E11	VEP82239A	MECHA IF	PRT-87
E12	VEP82247A	MECHA IF2	PRT-51	E12	VEP82247A	MECHA IF2	PRT-88
E13	VEP81221C	POWER 1	PRT-51	E13	VEP81221C	POWER 1	PRT-88
E14	VEP81222A	POWER 2	PRT-53	E14	VEP81222A	POWER 2	PRT-90
E15	VEP80C40C	AV JACK	PRT-53	E15	VEP80C40C	AV JACK	PRT-90
E16	VEP86337C	FRONT	PRT-54	E16	VEP86337C	FRONT	PRT-91
E17	VEP80C79B	FRONT SUB	PRT-56	E17	VEP80C79B	FRONT SUB	PRT-92
E18	VEP80C78A	EJECT	PRT-56	E18	VEP80C78A	EJECT	PRT-93
E19	VEP80856A	CARRIGE	PRT-56	E19	VEP80856A	CARRIGE	PRT-93

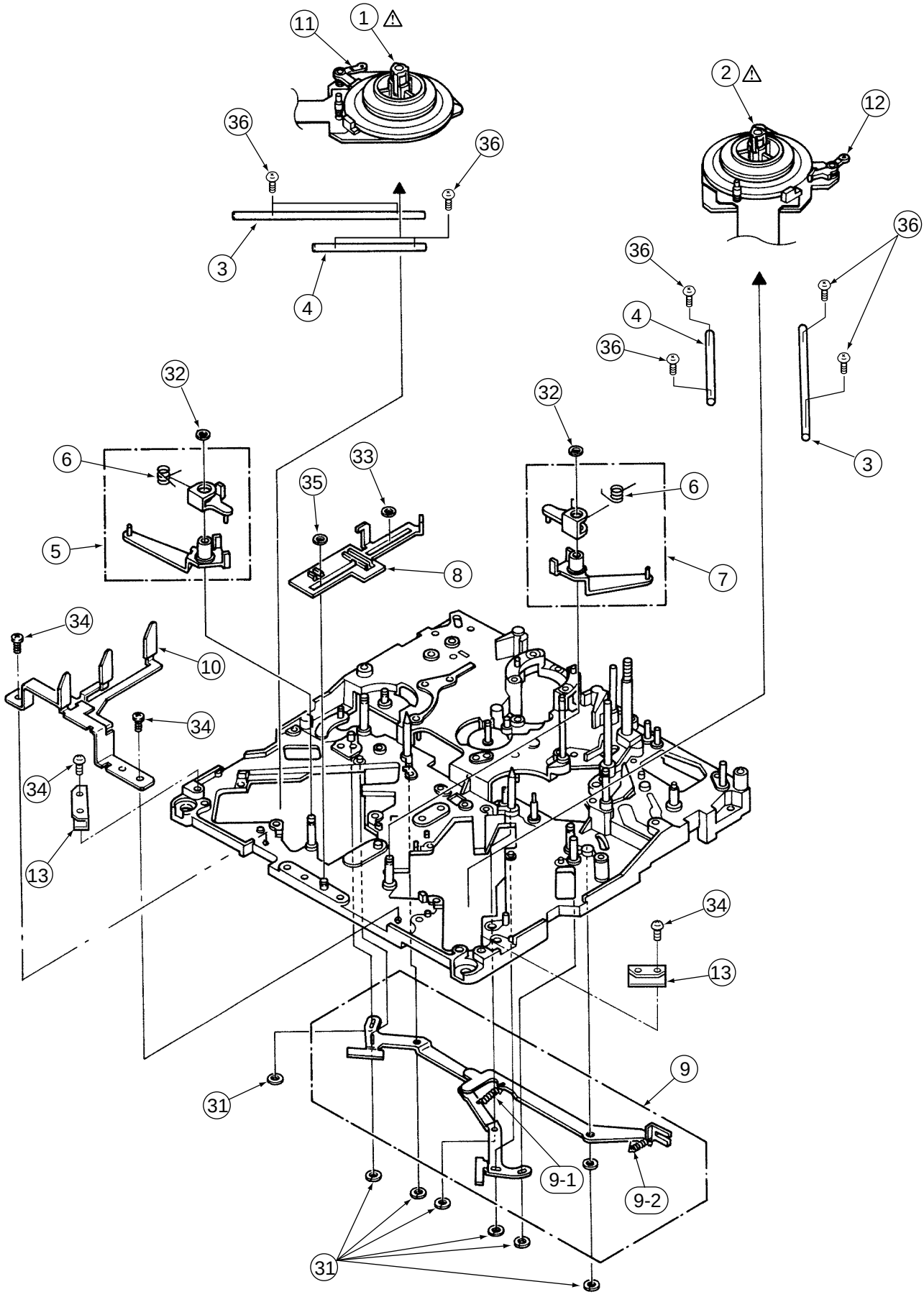
SERVICING FIXTURES & TOOLS

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VFK1145A	BACK TENSION METER	1	
2	VFK1149B	POST DRIVER	1	
3	VFK71A	DIAL TORQUE GAUGE	1	(150g)
4	VFK1191A	DIAL TORQUE GAUGE	1	(45g)
5	VFK1152	DIAL TORQUE GAUGE ADAPTOR	1	
6	VFK0357	ECCENTRIC SCREWDRIVER	1	(1.5mm)
7	VFK1154	POST HEIGHT FIXTURE	1	
8	VFK1153	MECH NEUTRAL PLATE	1	
9	VFK1155	REV POSITION TOOL	1	
10	VFK1156	PLAY POSITION TOOL	1	
11	VFK1208	NEUTRAL POSITION TOOL	1	
12	VFK1150A	NUT DRIVER (5.5MM)	1	(5.5mm)
13	VFK1151A	NUT DRIVER	1	(2.5mm)
14	VFK1188A	DIAL TENSION GAUGE	1	
15	VFK0948A	CHECK LIGHT	1	
16	VFK0749	FLOYRAL GREASE	1	
17	M0R265	MORLYTONE GREASE	1	
18	VFK1146A	PHILIPS DRIVER (FINE)	1	(00-75)
19	VFK1147A	PHILIPS DRIVER (FINE)	1	(00-100)
20	VFK1148A	HEX DRIVER	1	(1.5mm)
21	VFK1178A	HEX DRIVER	1	(0.89mm)
22	VFK1179A	HEX DRIVER	1	(0.71mm)
23	VFK1190A	HEX. WRENCH	1	
24	VFK1209A	TORQUE DRIVER	1	(4 cN m-30 cN m)
25	VFK1375	POST AXIS DRIVER	1	(1.5mm)
26	VFK1300	A/D BOARD (DAQ-12,QUATECH)	1	
27	VFM3580KM	ALIGNMENT TAPE (NO.1)	1	(NTSC) or VFM3580KL
28	VFM3581KM	ALIGNMENT TAPE (NO.2)	1	(NTSC) or VFM3581KL
29	VFM3582KM	ALIGNMENT TAPE (NO.3)	1	(NTSC) or VFM3582KL
30	VFM3680KM	ALIGNMENT TAPE (NO.1)	1	(PAL) or VFM3680KL
31	VFM3681KM	ALIGNMENT TAPE (NO.2)	1	(PAL) or VFM3681KL
32	VFM3682KM	ALIGNMENT TAPE (NO.3)	1	(PAL) or VFM3682KL
33	VFM3010EDS	DV ALIGNMENT TAPE (COLOR BAR)	1	(NTSC) or VFM3010EDL
34	VFM3110EDS	DV ALIGNMENT TAPE (COLOR BAR)	1	(PAL) or VFM3110EDL
35	VFM3000EDS	DV ALIGNMENT TAPE (LISTA)	1	or VFM3000EDL
36	AJ-CL12MP	CLEANING TAPE	1	
37	VFK1423	TAPE BEG/END DETECTION CASSETTE	1	
38	VFK1192	F EXTENDER BOARD	1	
39	VFK1496	EXTENDER BOARD	1	
41	VFK1186	LISTA CABLE	1	
43	VFK1590	CPLD WRITER	1	
44	VFK1304A	FLASH MEMORY VERSION UP TOOL	1	
45	VFK0906	LUBRICATION OIL	1	
46	VZZ0095	CLEANING CLOTH	1	
48	VFK1803	EXTENSION CABLE FOR FRONT PANEL	1	
49	-----	EE CLEANER	1	
50	VFM3584KM	DVCPRO ALIGNMENT TAPE	1	(NTSC)
51	VFM3684KM	DVCPRO ALIGNMENT TAPE	1	(PAL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (1)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



MECHANICAL CHASSIS ASSEMBLY (1)

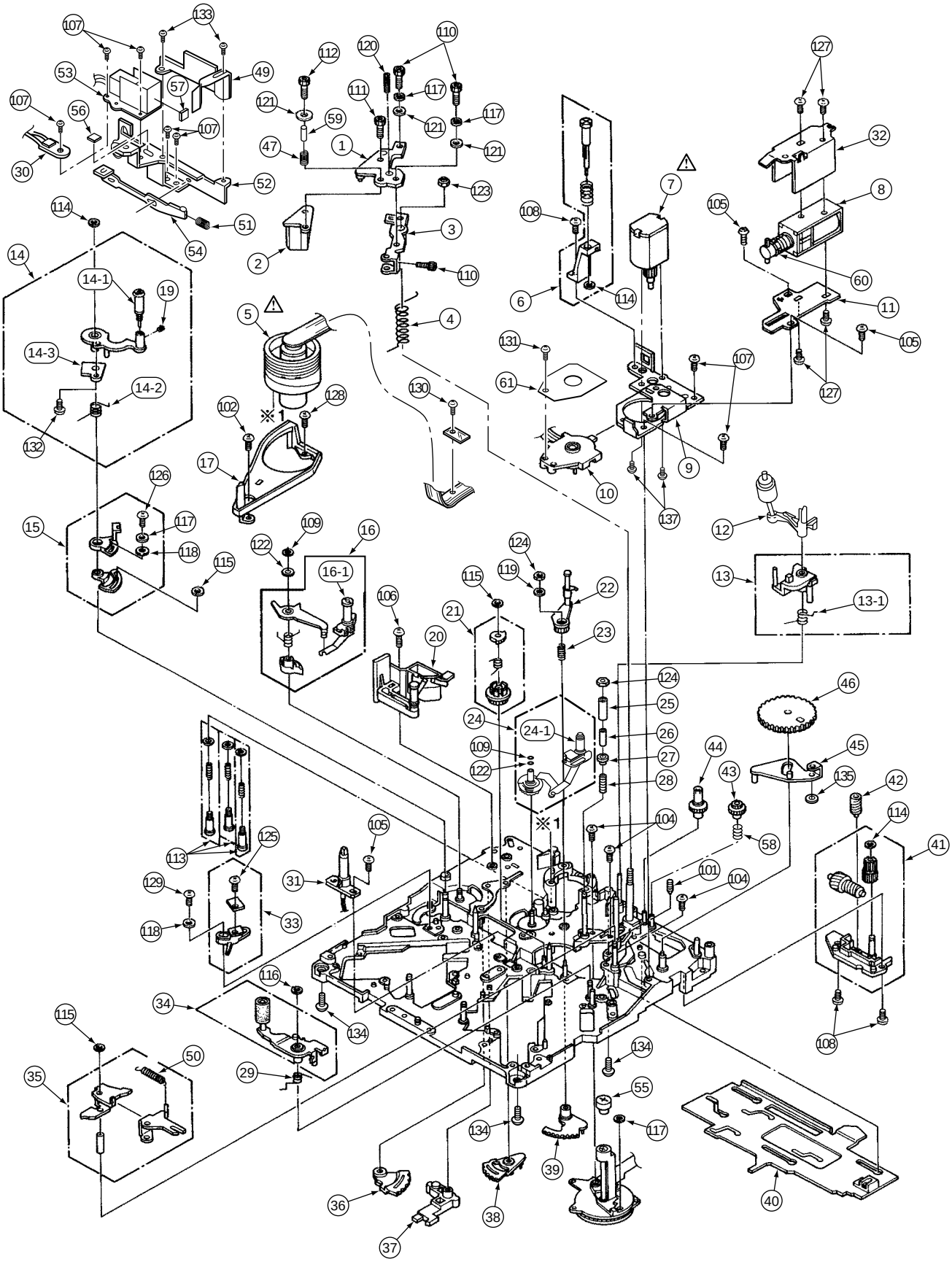
Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VEM0686	S REEL MOTOR A ASS'Y	1	(M)
⚠ 2	VEM0687	T REEL MOTOR A ASS'Y	1	(M)
3	VMS5923	REEL OUTER RAIL	2	
4	VMS5924	REEL INNER RAIL	2	
5	VXL2589	S BASE DRIVE ARM ASS'Y	1	OR VXL2589C
6	VMB2944	CHARGE SPRING	2	
7	VXL2590	T BASE DRIVE ARM ASS'Y	1	OR VXL2590C
8	VXA5625	SLIDE ROD ASS'Y	1	OR VXA5625C
9	VXL2597	M STOPPER DRIVE ARM ASS'Y	1	OR VXL2597C
9-1	VMB2955	M STOPPER SPRING (1)	1	
9-2	VMB3017	M STOPPER SPRING (2)	1	
10	VXA6174	L-M BRAKE RELEASE ASS'Y	1	OR VXA6174C
11	VXZ0439	S BRAKE ARM ASS'Y	1	
12	VXZ0440	T BRAKE ARM ASS'Y	1	
13	VMZ2603	REEL FLEX COVER	2	
31	VMX1061	WASHER	7	
32	VMX1079	CUT WASHER	2	
33	VMX0967	CUT WASHER	1	
34	XQN2+CF3	SCREW	4	
35	VMX0967	CUT WASHER	1	
36	VHD0995	SCREW	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

MECHANICAL CHASSIS ASSEMBLY (2)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



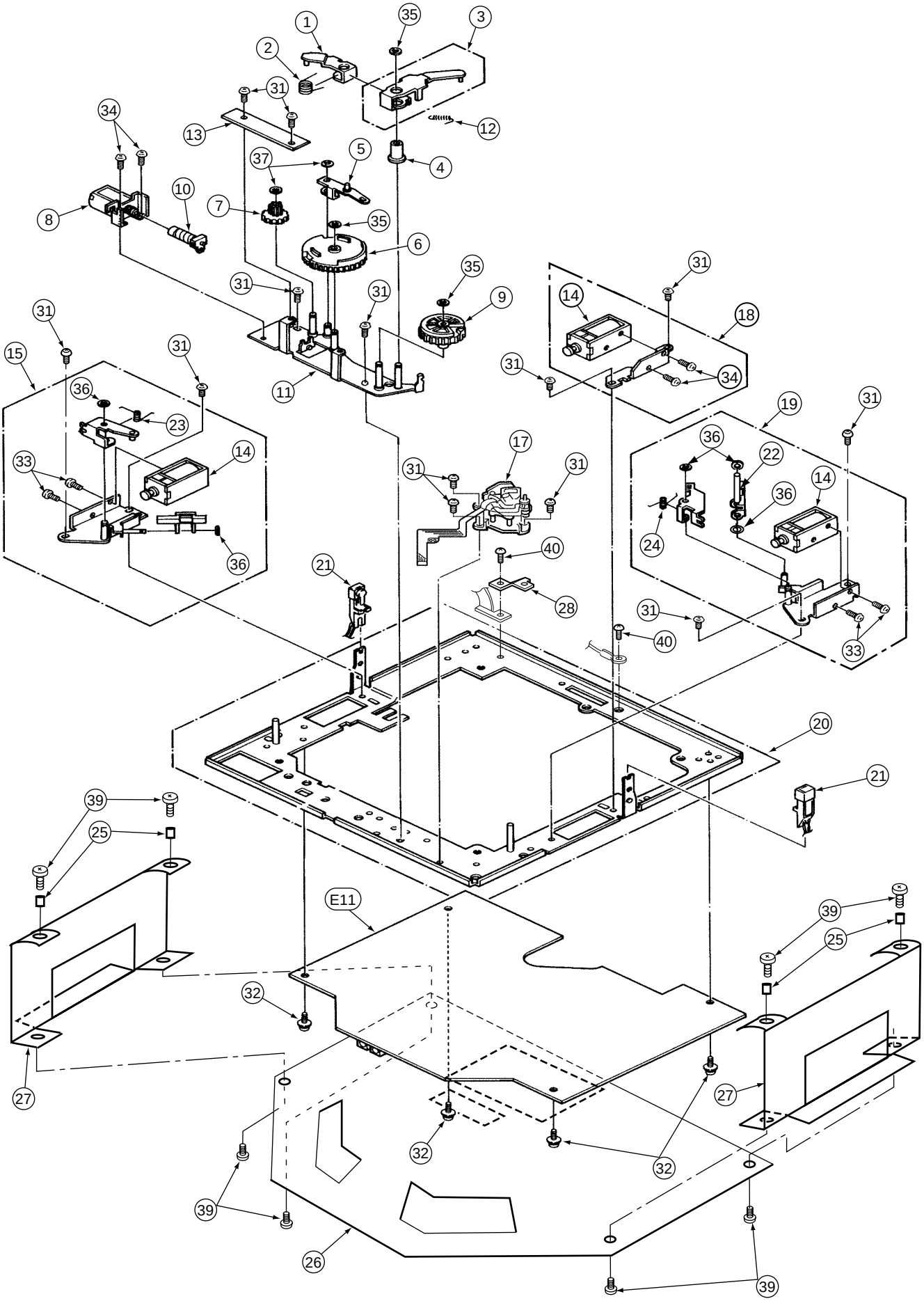
MECHANICAL CHASSIS ASSEMBLY (2)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA5554	A/C HEAD BASE (1) ASS'Y	1	
2	VED0419	A/C HEAD	1	(M)
3	VXA6067	A/C HEAD BASE (2) ASS'Y	1	
4	VMB2935	A/C HEAD HIGHT SPRING	1	
⚠ 5	VEG1498	CYLINDER UNIT	1	(M)
6	VXA5715C	EMERGENCY SHAFT HOLDER U	1	
⚠ 7	VEM0645C	LOADING MOTOR (1) ASS'Y	1	(M)
8	VSJ0227	PINCH SOLENOID	1	(M)
9	VXA5584C	MOTOR ANGLE ASS'Y	1	
10	VES0918C	MODE SW ASS'Y	1	(M)
11	VMA0A35	PINCH SOLENOID BASE	1	
12	VXL3027C	CLEANING ARM ASS'Y	1	(M)
13	VXL2870C	T2 ARM ASS'Y	1	
13-1	VMB3304	T2 ARM SPRING	1	
14	VXL2832	TENSION ARM A ASS'Y	1	(M)
14-1	VXP1866	TENSION ROLLER	1	
14-2	VMB3220	TENSION LEG SPRING	1	
14-3	VXA6173	MAGNET HOLDER ASS'Y	1	
15	VXA7703C	TENSION REG. SPRING HOOK	1	
16	VXL2812	S1 LOADING ARM ASS'Y	1	(M)
16-1	VXA6087	S1 BOAT ASS'Y	1	
17	VMD3731	LOADING RAIL	1	
19	VHD0561	HEX SCREW	1	
20	VXA7361	S5 POST BASE A ASS'Y	1	(M)
21	VXP1683C	T4 CONNECTION GEAR ASS'Y	1	
22	VXL2772	T4 ARM ASS'Y	1	
23	VMB2950	T4 THRUST SPRING	1	
24	VXL2953	T LOADING ARM ASS'Y	1	
24-1	VXA6379	T1 BOAT ASS'Y	1	(M)
25	VMS5906	T3 UPPER FRANGE	1	
26	VMS5905	T3 SLEEVE	1	
27	VMS5904	T3 LOWER FRANGE	1	
28	VMB2929	T3 SPRING	1	
29	VMB2933	PINCH RELEASE SPRING	1	
30	VEK7927	INSULLATION SENSOR	1	EYHS77Y7
31	VEK8970	LED HOLDER P.C.BOARD	1	OR VEK8970C
32	VMA9411	PINCH SOLENOID ANGLE	1	
33	VXA5820C	TENSION SENSOR ASS'Y	1	
34	VXL2835C	PINCH ARM ASS'Y	1	(M)
35	VXL2588C	PINCH GUIDE ARM ASS'Y	1	
36	VXA5570C	T SECTOR GEAR ASS'Y	1	
37	VXL3215C	TENSION REG. GUIDE ARM	1	
38	VXA5567C	S SECTOR GEAR ASS'Y	1	
39	VXA5564C	T4 SECTOR GEAR ASS'Y	1	
40	VXA6348	MAIN ROD ASS'Y	1	
41	VXA5627C	THRUST SHAFT HOLDER ASS'Y	1	
42	VDG1166	MOTOR WARM GEAR	1	
43	VDG1444	MOTOR EMERGENCY GEAR B	1	
44	VDG1443	EMARGENCY GEAR A	1	
45	VXL2889C	MAIN CAM ARM ASS'Y	1	
46	VDG1168	MAIN CAM GEAR	1	(M)
47	VMB2937	A/C HEAD ADJUST SPRING	1	
49	VMD3475	T1 GUIDE ASS'Y	1	
50	VMB2934	SPRING	1	
51	VMB3051	CLEANER RETURN SPRING	1	
52	VXA6077	CLEANER BASE 1 ASS'Y	1	OR VXA6077C
53	VXA7382C	CLEANER SOLENOID ASS'Y	1	
54	VMM0429	CLEANER INTERLOCK	1	
55	VXQ0556	THRUST SCREW ASS'Y	1	(M)
56	VMT0871	SILENCER A	1	
57	VMT0872	SILENCER B	1	
58	VMB3192	SPRING	1	
59	VMS5987	AZIMUTH SLEEVE	1	
60	VMB2948	SPRING	1	
61	VMZ2737	MODE SW COVER	1	
101	VHD0356	SCREW	1	
102	XQN2+A3	SCREW	1	
104	XQN2+A35FZ	SCREW	3	
105	XQN2+AM2	SCREW	3	
106	XQN2+CF5	SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
107	XQN2+CF3	SCREW	7	
108	XQN2+CF4	SCREW	3	
109	XUC12FP	E-RING	2	
110	XVE2B4FZ	HEX SCREW	3	
111	XVE2B6FP	HEX SCREW	1	
112	XVE2B12FP	HEX SCREW	1	
113	VXQ0439	SCREW	3	
114	VMX0967	CUT WASHER	3	
115	VMX1061	WASHER	3	
116	VMX1079	CUT WASHER	1	
117	XWA2B	WASHER	4	
118	XWE2	WASHER	2	
119	XWE16VW	WASHER	1	
120	XXE2A6FP	HEX SCREW	1	
121	XWG2	WASHER	3	
122	XWGV15Z32G	WASHER	2	
123	VHD0045	NYLON NUT	1	
124	VHN0312	NUT	2	
125	XQN2+AQ3.5FZ	SCREW	1	
126	XQN2+BQ55FZ	SCREW	1	
127	XQN2+A1.5	SCREW	4	
128	XQN2+A5	SCREW	1	
129	XQN2+C4	SCREW	1	
130	XYN2+K4	SCREW	1	
131	XYN2+J6	SCREW	1	
132	XQN2+CM3	SCREW	1	
133	XQN2+J5	SCREW	2	
134	XYN3+C5	SCREW	3	
135	XWGV2Z4G	WASHER	1	
137	XQN2+A2	SCREW	2	
*	VXY1797Z1	MECHA CHASSIS ASS'Y	1	(M)

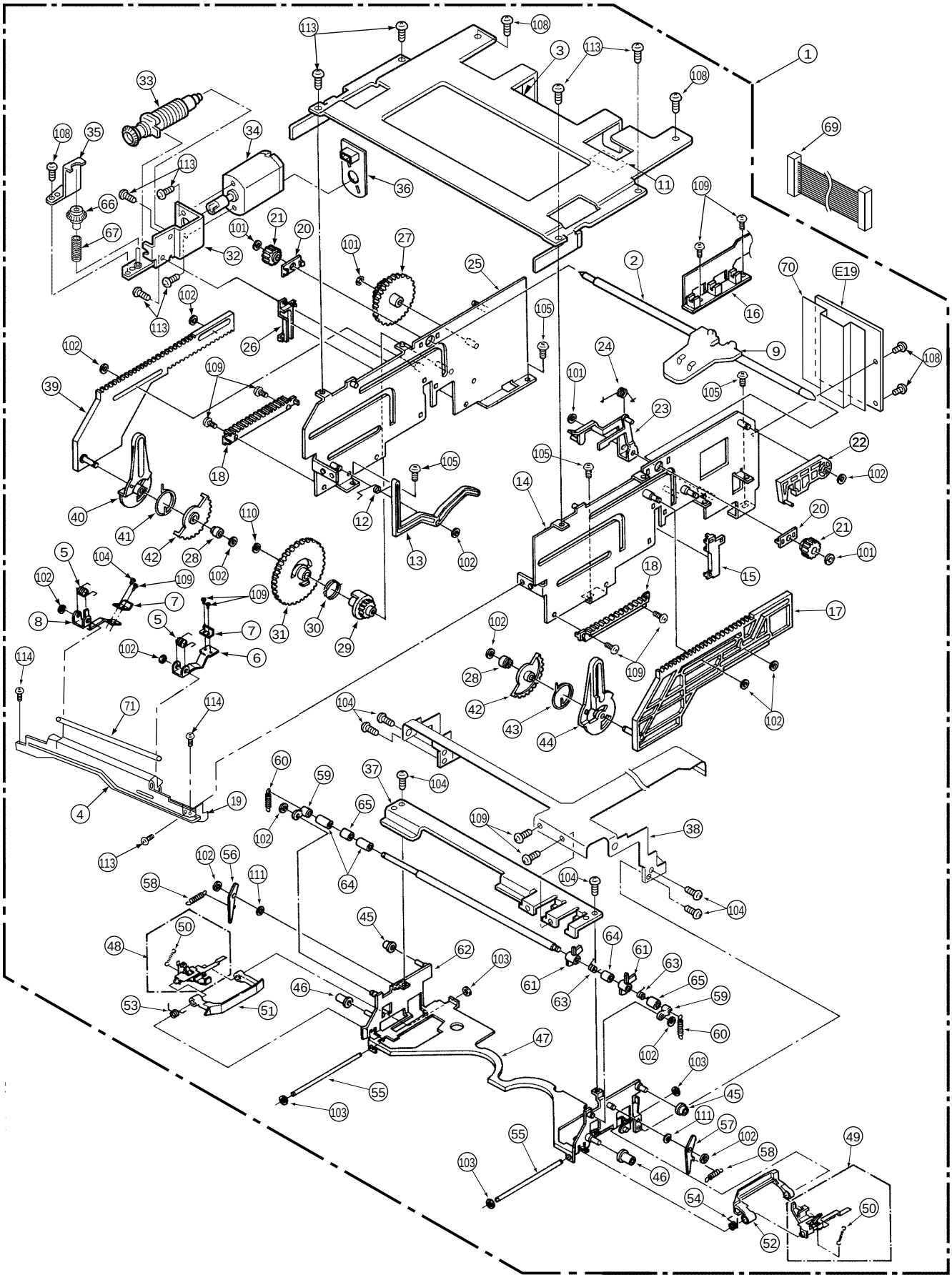
SUB CHASSIS ASSEMBLY



SUB CHASSIS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXL2656	MIC DRIVE ARM A ASS'Y	1	OR VXL2656C
2	VMB3018	MIC DRIVE SPRING	1	
3	VXL2657	MIC DRIVE ARM (B) ASS'Y	1	OR VXL2657C
4	VDB1429	MIC DRIVE ARM BOSS	1	
5	VXL2613	REEL DRIVE ARM ASS'Y	1	OR VXL2613C
6	VDG1192	REEL DRIVE CAM GEAR	1	
7	VDG1193	REEL DRIVE WORM WHEEL	1	
8	VEM0585C	REEL DRIVE MOTOR ASS'Y	1	(M)
9	VDG1211	MIC GENEVA GEAR	1	
10	VXP1698	REEL DRIVE WORM ASS'Y	1	OR VXP1698C
11	VXA5628	MOTOR BASE ASS'Y	1	OR VXA5628C
12	VMB3019	MIC DRIVE RETURN SPRING	1	
13	VEK7726	REEL SENSOR P.C.BOARD	1	OR VEK7726C
14	VSJ0216	SOLENOID	3	(M)
15	VXA5575	S-BRAKE SOLENOID BASE ASS'Y	1	OR VXA5575C
17	VXA7014C	MIC SENSOR SW BASE ASS'Y	1	(M)
18	VXA5579C	M STOPPER SOLENOID ASS'Y	1	
19	VXA5887	T-BRAKE SOLENOID BASE ASS'Y	1	OR VXA5887C
20	VXK1336	SUB CHASSIS	1	OR VXK1336C
21	VEK7692	SENSOR HOLDER ASS'Y	2	OR VEK7692C
22	VMS6193	T BRAKE RELEASE ARM SHAFT	1	
23	VMB2957	S BRAKE SPRING	1	
24	VMB2987	T BRAKE SPRING	1	
25	VMX3081	SPACER	4	
26	VMP6831	P.C.B. SUPPORT ANGLE	1	
27	VMA0J69	P.C.B. HOLDER ANGLE	2	
28	VMA0S56	CONNECTION ANGLE	1	
31	XQN2+CF3	SCREW	13	
32	XYN26+K6	SCREW	4	
33	XQN2+A1.5	SCREW	4	
34	XQN2+A2	SCREW	4	
35	VMX1079	CUT WASHER	3	
36	VMX0967	CUT WASHER	5	
37	VMX1548	CUT WASHER	2	
39	XYN26+F8	SCREW	8	
40	XTV3+6F	SCREW	2	
E11	VEP82239A	MECHA I/F P.C.BOARD	1	

CASSETTE COMPARTMENT ASSEMBLY

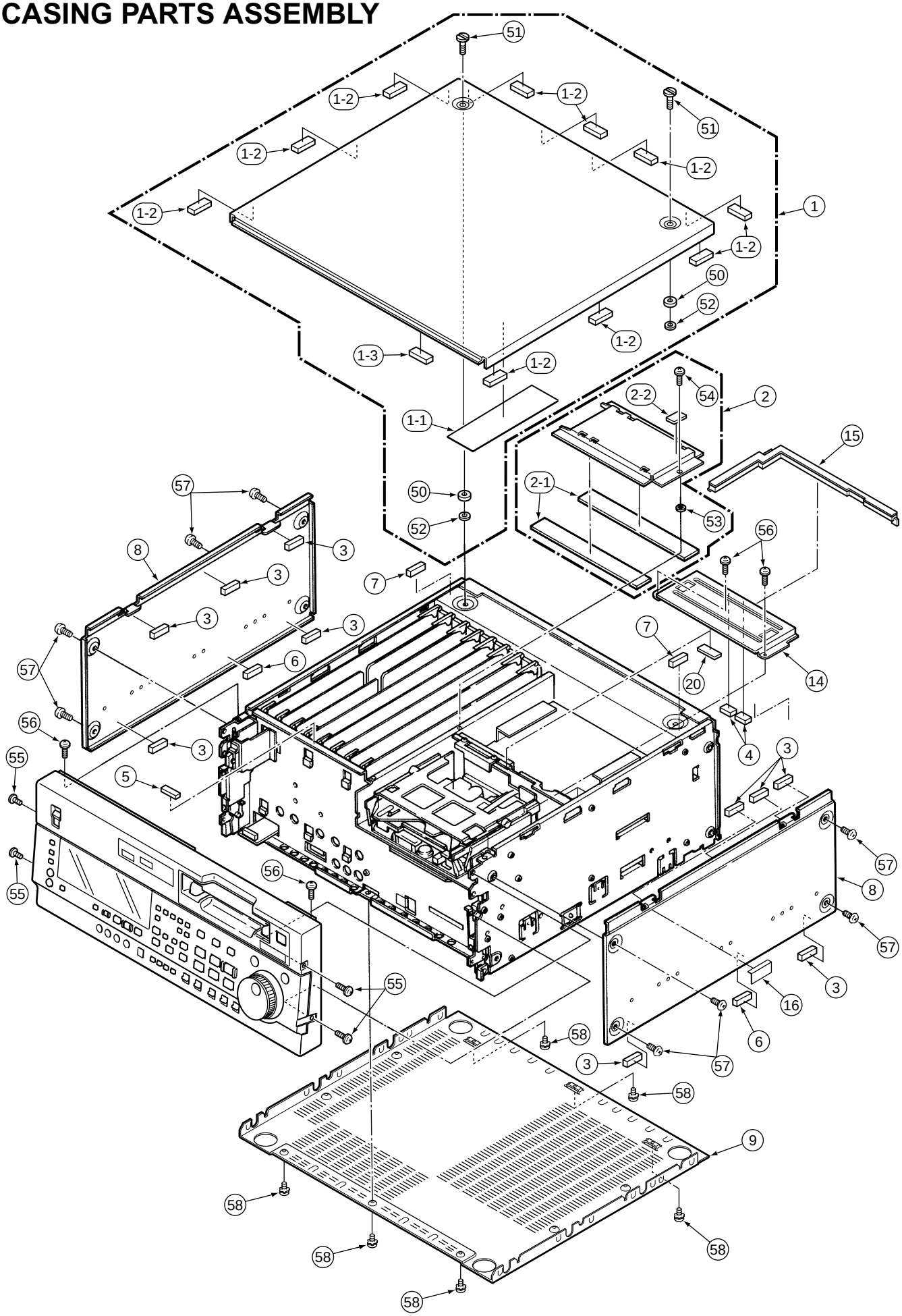


CASSETTE COMPARTMENT ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VXA7347	FRONT LOADING ASS'Y	1	(M)
2	VMS5865	MAIN SHAFT	1	
3	VMA9849	TOP PLATE	1	
4	VMA0M72	FRONT GUIDE 1 ASS'Y	1	
5	VMB3075	M GUIDE SPRING	2	
6	VML3191	M GUIDE RIGHT LEVER	1	
7	VML3192	M FRONT GUIDE	2	
8	VML3190	M GUIDE LEFT LEVER	1	
9	VML3397	CASSETTE PROTECT PLATE	1	
11	VMZ3233	FPC PROTECTOR	1	
12	VMB2926	SPRING	1	
13	VML2A50	BLINDER PANEL OPENER	1	
14	VXA7355	SIDE PLATE R 1 ASS'Y	1	
15	VML3282	SUB RAIL (R)	1	
16	VEK7695	SIDE FLEXIBLE	1	
17	VXA5766	MAIN RACK R ASS'Y	1	
18	VDG1156	WIPER RACK	2	
19	VMZ3259	FPC COVER	1	
20	VDB1395	MAIN SHAFT ANGLE	2	
21	VDG1412	INTERLOCK GEAR	2	
22	VML3193	OPENER DRIVE ARM	1	
23	VXL2692	OPENER ANGLE ASS'Y	1	
24	VMB2979	SPRING	1	
25	VXA7353	SIDE PLATE L 1 ASS'Y	1	
26	VML3281	SUB RAIL (L)	1	
27	VDG1413	INTERAMEDIATE GEAR	1	
28	VDP1643	WIPER ROLLER	2	
29	VDG1414	CLUTCH GEAR	1	
30	VMB2980	CLUTCH SPRING	1	
31	VDG1236	WORM WHEEL	1	
32	VXA5848	MOTOR ANGLE (A) ASS'Y	1	
33	VXP1797	E.E SLOT IN WORM ASS'Y	1	
34	VXA5597	MOTOR ASS'Y	1	(M)
35	VMA9673	EMERGENCY ANGLE	1	
36	VEK7793	MOTOR P.C.BOARD	1	
37	VMA9668	HOLDER PLATE	1	
38	VEK7715	HOLDER FLEXIBLE ASS'Y	1	
39	VXA6075	MAIN RACK (L) ASS'Y	1	
40	VML3485	WIPER ARM (R)	1	
41	VMB3390	WIPER SPRING (L)	1	
42	VDG1163	WIPER GEAR	2	
43	VMB3391	WIPER ARM (L)	1	
44	VML3484	WIPER SPRING (R)	1	
45	VDP1642	CASSETTE GUIDE ROLLER (2)	2	
46	VDP1641	CASSETTE GUIDE ROLLER (1)	2	
47	VXA5757	CASSETTE HOLDER 1 ASS'Y	1	
48	VXA5758	ROD L	1	
49	VXA5759	ROD R	1	
50	VMB3064	SLIDE SPRING	2	
51	VML3249	SIDE GUIDE L	1	
52	VML3250	SIDE GUIDE R	1	
53	VMB3061	SLIDE GUIDE SPRING L	1	
54	VMB3062	SLIDE GUIDE SPRING R	1	
55	VMS6108	KICK OFF ROD SHAFT	2	
56	VML2A54	KICK OFF ARM L	1	
57	VML2A55	KICK OFF ARM R	1	
58	VMB2928	KICK OFF SPRING	2	
59	VML2A53	CASSETTE HOLDER ARM	2	
60	VMB2927	CASSETTE HOLDER SPRING	2	
61	VMX2833	M-L DETECT ROLLER	2	
62	VMS5882	CASSETTE HOLDER SHAFT	1	
63	VMB3253	M-L DETECT SPRING	2	
64	VMX2559	CASSETTE PRESSURE ROLLER(2)	3	
65	VMX2524	CASSETTE PRESSURE ROLLER(1)	2	
66	VDG1246	EMERGENCY GEAR	1	
67	VMB3109	EMERGENCY SPRING	1	
69	VEE9577	CABLE	1	
70	VMZ3040	SHIELD PLATE	1	
71	VMS7087	GUIDE LEVER PIN	1	
101	VMX0653	CUT WASHER	4	
102	VMX0967	CUT WASHER	14	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
103	VMX1061	WASHER	4	
104	XQN16+A2	SCREW	7	
105	XQN2+C4	SCREW	4	
108	XQN2+A3	SCREW	5	
109	LMHD16064	SCREW	11	
110	XUC25FP	E-RING	1	
111	XWGV2Z5G	WASHER	2	
113	VHD1323	SCREW	9	
114	XYN2+K4	SCREW	2	
E19	VEP80856A	CARRIGE P.C.BOARD	1	

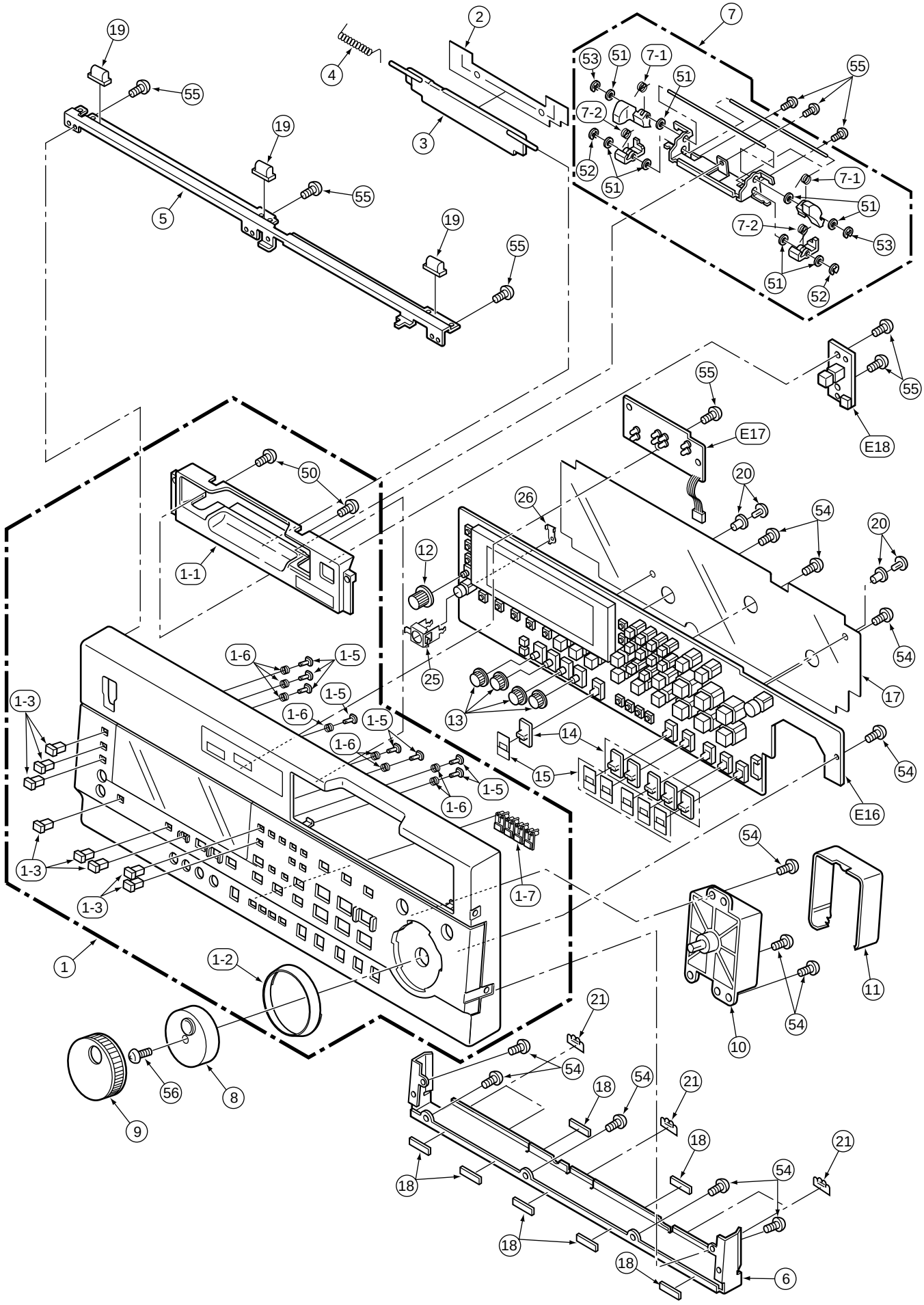
CASING PARTS ASSEMBLY



CASING PARTS ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP7626	TOP PANEL ASS'Y	1	
1-1	VMZ2325	TOP PANEL BARRIER	1	
1-2	VMT0800	GASKET	10	
1-3	VMT0509	CONDUCTIVE CUSHION D	1	
2	VXA7463	P.C.B. PLATE ASS'Y	1	
2-1	VMT1222	P.C.B. RUBBER CUSHION L	2	
2-2	VMT0797	GASKET C	1	
3	VMT0873	GASKET	10	
4	VMT0776	GASKET (F)	2	
5	VMT0493	CUSHION	1	
6	VMT0779	GASKET	2	
7	VMT1201	GASKET	2	
8	VGM1699	SIDE PANEL	2	
9	VKU0546	BOTTOM PLATE	1	
14	VMP5265	CARRIGE SUPPORT METAL	1	
15	VXA6591	MECHA DUST PROOF (U)ASS'Y	1	
16	VGF0816	INSULATION SHEET	1	
20	VMT0797	GASKET C	1	
50	VMX2510	SPACER	2	
51	VHD0775	SCREW	2	
52	VMX2582	WASHER	2	
53	VMX1558	NYLON WASHER	1	
54	XYN3+J8	SCREW	1	
55	XSB3+8FZ	SCREW	4	
56	XTV3+6F	SCREW	4	
57	XSB4+8FC	SCREW	8	
58	XYE3+EF6	SCREW	6	

FRONT PANEL ASSEMBLY

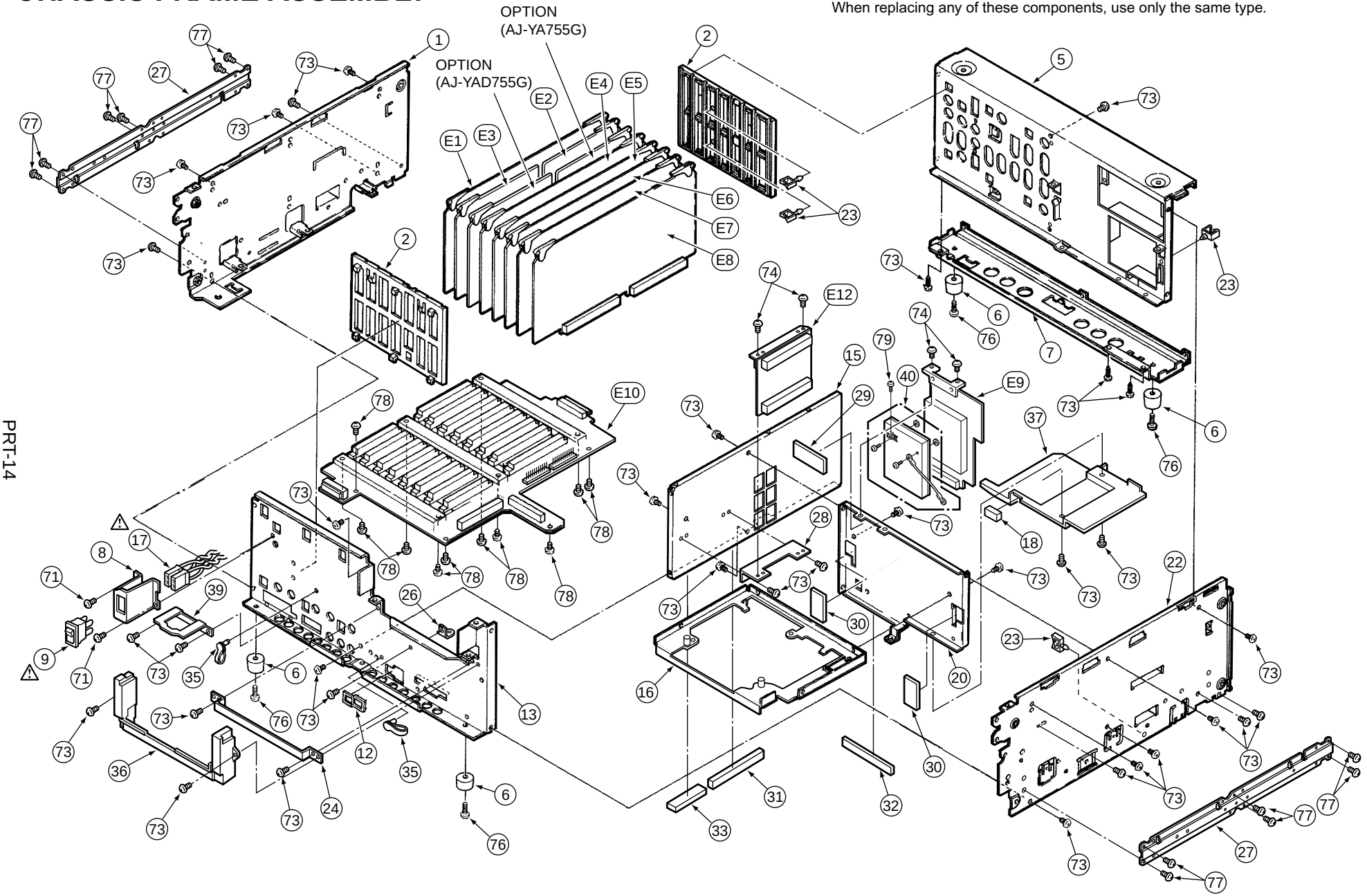


FRONT PANEL ASSEMBLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYP8871	FRONT PANEL (1) ASS'Y	1	FOR AJ-SD755P/E
1	VYP8872	FRONT PANEL (1) ASS'Y	1	FOR AJ-D755MC
1-1	VGP5792	CASSETTE INSERT GUIDE	1	
1-2	VGL1009	JOG RING	1	
1-3	VGU9189	PUSH BUTTON B	8	
1-5	VGQ3176	PUSH BUTTON	8	
1-6	VMB2597	KEY BUTTON COIL SPRING	8	
1-7	VGU7464	RESET BUTTON	4	
2	VGF0836	PANEL SHEET	1	
3	VKF2785	BLINDER PANEL	1	FOR AJ-SD755P/E
3	VKF3357	BLINDER PANEL	1	FOR AJ-D755MC
4	VMB3417	BLINDER SPRING	1	
5	VMP7324	SUPPORT ANGLE (UPPER)	1	
6	VMP7532	SUPPORT ANGLE (LOWER)	1	
7	VYQ2809	CASSETTE GUIDE ASS'Y	1	
7-1	VMB3564	CASSETTE GUIDE SPRING	2	
7-2	VMB3565	CAM SPRING	2	
8	VGU8126	SEARCH DIAL KNOB	1	
9	VGU5780	SEARCH DIAL COVER	1	
10	VSP1120	SEARCH DIAL	1	
11	VGF0802	SEARCH DIAL COVER	1	
12	VGU5605	KNOB	1	
13	VGU7469	VR KNOB	4	
14	VGU7465	SLIDE KNOB	6	
15	VGH4377	SLIDE KNOB SHEET	6	
17	VMZ3290	FRONT INSULATION SHEET	1	
18	VMT0800	GASKET	7	
19	VMT0847	GASKET	3	
20	VJF0108	SPACER	2	
21	VSC5459	FRONT EARTH ANGLE	5	
25	VSC5409	HEADPHONE EARTH ANGLE	1	
26	VSC5450	EARTH ANGLE	1	
50	XTB2+6GFZ	SCREW	2	
51	VMX2562	WASHER	8	
52	XUC2FP	E-RING	2	
53	XUC25FP	E-RING	2	
54	XTN4+10G	SCREW	12	
55	XTV3+8G	SCREW	9	
56	XSN2+8	SCREW	1	
E16	VEP86337C	FRONT P.C.BOARD	1	
E17	VEP80C79B	FRONT SUB P.C.BOARD	1	
E18	VEP80C78A	EJECT P.C.BOARD	1	

CHASSIS FRAME ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



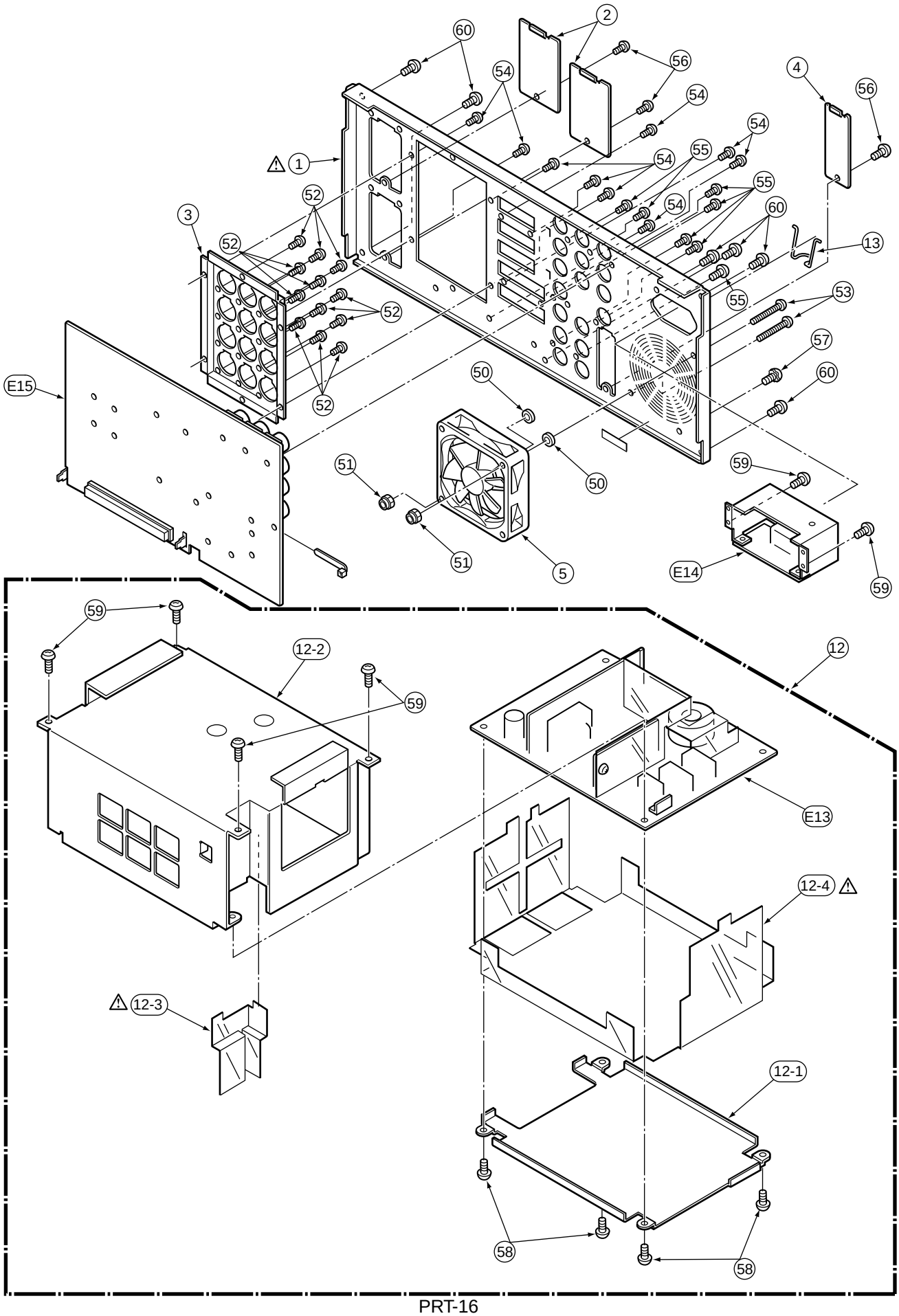
CHASSIS FRAME ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VMP6832	SIDE FRAME (L)	1	
2	VGQ4011	P.C.BOARD GUIDE RAIL A	2	
5	VMP6802	REAR FRAME	1	
6	VKA0117	PLASTIC FOOT	4	
7	VMP6020	BOTTOM FRAME	1	
8	VMP7302	SW BRACKET	1	
⚠ 9	K0AAKE000053	AC SWITCH	1	
12	VJF1259	EDGE HOLDER	1	
13	VMP6803	FRONT FRAME	1	
15	VMP6800	CENTER FRAME	1	
16	VXA7029	MECHA FRAME ASS'Y	1	
⚠ 17	VEE0U47	AC CABLE	1	
18	VMT0968	DUST PROOF CUHION (D)	1	
20	VMP6801	MIDDLE FRAME	1	
22	VMP6833	SIDE FRAME (R)	1	
23	VJF0384	CLAMPER	4	
24	VMP6126	MECHA DUST PROOF (F)ASS'Y	1	
26	VMP5298	SAUB P.C.B. HOLDER ANGLE	1	
27	VMP6248	RACK MOUNT	2	
28	VMP6807	MECHA EXT FIX ANGLE	1	
29	VMT1014	DUST PROOF CUSHION (A)	1	
30	VMT1219	DUST PROOF CUSHION (A)	2	
31	VMT1044	DUST PROOF CUSHION (L)	1	
32	VMT1232	DUST PROOF CUSHION (B)	1	
33	VMT1043	CUSHION	1	
35	VJF0469	CLAMPER	2	
36	VXA7462	MECHA DUST PROOF (F)ASS'Y	1	
37	VXA7032	MECHA SHIELD (L) ASS'Y	1	
39	VMP7305	MOTHER SUPPORT ANGLE	1	
40	VYQ2985	SHIELD CASE (U) ASS'Y	1	
71	VHD5013	SCREW	2	
73	XTV3+6F	SCREW	35	
74	XTV3+6FFR	SCREW	4	
76	XYNV3+K12S	SCREW	4	
77	XTV4+6F	SCREW	12	
78	XYE3+EF6	SCREW	10	
79	XYN26+K5	SCREW	1	
E1	VEP84383C	F1 AUDIO P.C.BOARD	1	
E2	VEP83594B	F2A V IN P.C.BOARD	1	FOR AJ-SD755P
E2	VEP83594A	F2A V IN P.C.BOARD	1	FOR AJ-SD755E/D755MC
E3	VEP84384B	F2B A PROC P.C.BOARD	1	
E4	VEP83629E	F4 REC PB P.C.BOARD	1	FOR AJ-SD755P
E4	VEP83629D	F4 REC PB P.C.BOARD	1	FOR AJ-SD755E/D755MC
E5	VEP83597E	F5 V OUT P.C.BOARD	1	FOR AJ-SD755P
E5	VEP83597D	F5 V OUT P.C.BOARD	1	FOR AJ-SD755E/D755MC
E6	VEP86326J	F6 SYSCON P.C.BOARD	1	FOR AJ-SD755P
E6	VEP86326H	F6 SYSCON P.C.BOARD	1	FOR AJ-SD755E/D755MC
E7	VEP82246E	F7 SERVO P.C.BOARD	1	
E8	VEP85207B	F8 RF EQ P.C.BOARD	1	
E9	VEP85217A	RF CUE P.C.BOARD	1	
E10	VEP80C41A	MOTHER P.C.BOARD	1	
E12	VEP82247A	MECHA I/F 2 P.C.BOARD	1	

REAR PANEL ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



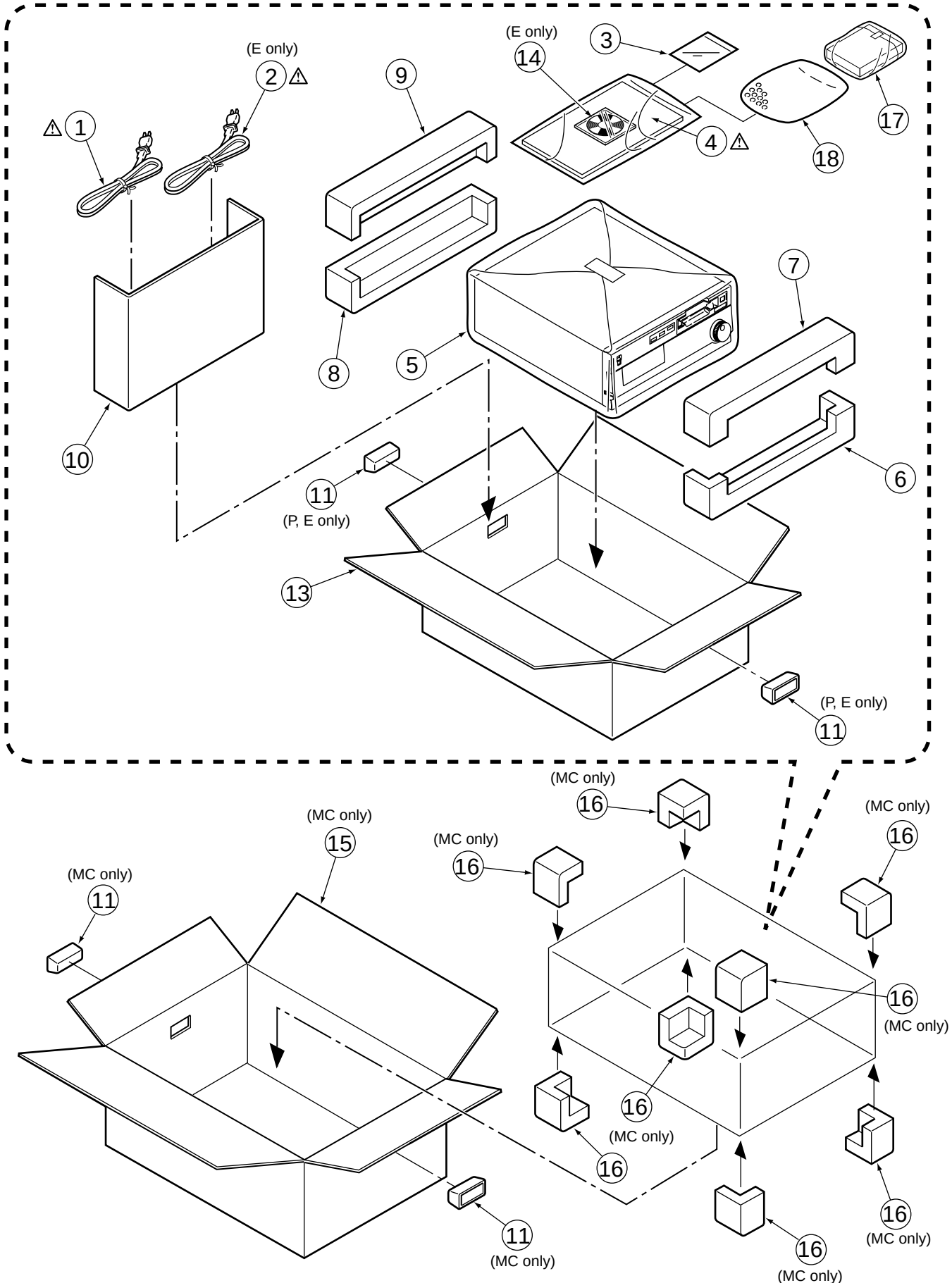
REAR PANEL ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VJH1239	JACK PANEL	1	
2	VMP5032	OPTION PANEL	2	
3	VMP7855	XLR HOLDER ANGLE	1	
4	VMP7304	BLANK PANEL	1	
5	VRF0190	FAN MOTOR	1	L6FALEFH0007
12	VEK9821	POWER ASS'Y	1	
12-1	VSC5223	POWER CASE (LOWER)	1	
12-2	VSC5224	POWER CASE (UPPER)	1	
⚠ 12-3	VMZ3148	POWER BARRIER B	1	
⚠ 12-4	VMZ3304	POWER BARRIER	1	
13	VML2903	AC CORD HOOK	1	
50	VMX0835	SPACER	2	
51	VHN0063	NYLON NUT	2	
52	XSN26+6FZ	SCREW	12	
53	XSN4+35FC	SCREW	2	
54	XTN26+6FFZ	SCREW	9	
55	XTV3+10GFZ	SCREW	7	
56	XTV3+6FFZ	SCREW	3	
57	XYE4+EF8	SCREW	1	
58	XYN3+F8	SCREW	4	
59	XTV3+6FFR	SCREW	6	
60	XTV3+6F	SCREW	6	
E13	VEP81221C	POWER 1 P.C.BOARD	1	
E14	VEP81222A	POWER 2 P.C.BOARD	1	
E15	VEP80C40C	AV JACK P.C.BOARD	1	

PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



PACKING PARTS ASSEMBLY

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	K2CG3CH00001	AC CORD	1	FOR AJ-SD755P
⚠ 1	VJA0775	AC CORD	1	FOR AJ-SD755E
⚠ 1	VJA1166	AC CORD	1	FOR AJ-D755MC
⚠ 2	VJA0774	AC CORD	1	FOR AJ-SD755E
3	VXF0173	EMERGENCY EJECT ASS'Y	1	
⚠ 4	VQT0F46	OPERATING INSTRUCTIONS	1	FOR AJ-SD755P
⚠ 4	VQT0F48	OPERATING INSTRUCTIONS	1	FOR AJ-SD755E
⚠ 4	VQT0F50	OPERATING INSTRUCTIONS	1	FOR AJ-D755MC
5	VPF0277	POLYETHYLENE BAG	1	FOR AJ-SD755P
5	VPF0673	POLYETHYLENE BAG	1	FOR AJ-SD755E/D755MC
6	VPN5801	CUSHION FD	1	
7	VPN4606	CUSHION	1	
8	VPN4304	CUSHION LL	1	
9	VPN4302	CUSHION UL	1	
10	VPN4305	ACCESSORY PAD	1	
11	VPF0149	HANDLE COVER	2	
13	VPG0V49	PACKING CASE	1	FOR AJ-SD755P
13	VPG0V50	PACKING CASE	1	FOE AJ-SD755E
13	VPG0V44	PACKING CASE	1	FOR AJ-D755MC
14	VYQ2849	OPERATING INSTRUCTIONS	1	FOR AJ-SD755E
				CD-ROM FOR 5 NATION LANGUAGE
				(ENGLISH,GERMAN,FRENCH,
				ITALIAN,SPANISH)
15	VPG8654	PACKING CASE	1	FOR AJ-D755MC
16	VPN1791	CORNER PAD	8	FOR AJ-D755MC
17	VFK1652	CASSETTE ADAPTOR UNIT	1	
18	VPF0679	AIR BAG	1	

ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD755P)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84383C	F1 AUDIO P.C.BOARD	1	(RTL)
■ E2	VEP83594B	F2A V IN P.C.BOARD	1	(RTL)
■ E3	VEP84384B	F2B A PROC P.C.BOARD	1	(RTL)
■ E4	VEP83629E	F4 REC PB P.C.BOARD	1	(RTL)
■ E5	VEP83597E	F5 V OUT P.C.BOARD	1	(RTL)
■ E6	VEP86326J	F6 SYSCON P.C.BOARD	1	(RTL)
■ E7	VEP82246E	F7 SERVO P.C.BOARD	1	(RTL)
■ E8	VEP85207B	F8 RF EQ P.C.BOARD	1	(RTL)
■ E9	VEP85217A	RF CUE P.C.BOARD	1	(RTL)
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
■ E12	VEP82247A	MECHA IF2 P.C.BOARD	1	(RTL)
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
■ E15	VEP80C40C	AV JACK P.C.BOARD	1	(RTL)
■ E16	VEP86337C	FRONT P.C.BOARD	1	(RTL)
■ E17	VEP80C79B	FRONT SUB P.C.BOARD	1	(RTL)
■ E18	VEP80C78A	EJECT P.C.BOARD	1	(RTL)
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84383C	F1 AUDIO P.C.BOARD	1	(RTL)
C4100-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4104-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4114-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4118,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4120,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4126,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4128-31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4134,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4300,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4304,05	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4308,09	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4313,14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4316,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4324,25	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C4328	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4329,30	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	2	
C4334,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4336	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4341	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4346	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4348	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4351	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4353-55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4356,57	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C4360	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4361,62	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C4365,66	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C4373,74	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C4451	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4454,55	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4456	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4457	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4458	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C4459,60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4461,62	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4463,64	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C4465-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	4	
C4469,70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4473,74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4475,76	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4477,78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C4479-82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4483,84	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4487,88	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4489,90	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4499	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4501	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4560,61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4562,63	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4568,69	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4570,71	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4572,73	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4574,75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4576,77	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4578,79	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4580,81	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4582-85	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4586,87	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4588,89	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4590-93	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4598,99	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4820,21	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4822-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4828-31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4832,33	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4834,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4836,37	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4838,39	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4844-47	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4848,49	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4850,51	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4852-55	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4858-61	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4862,63	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4950	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4951	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4953,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4955,56	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4957-63	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C4964	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4965	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5001	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5003	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5007	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5009	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C5010	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5012	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5014,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5017	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5018-20	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C5022	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5023	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5026	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5028	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5030	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5031	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	F1K1C224A029
C5034	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5035	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C5036	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5037	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5039	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5040	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5041	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5042	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5043	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C5044	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5045	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5049-56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C5057-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C5066,67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5068	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5201	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5202	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5203	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5207	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5209,10	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5211	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5214	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5215,16	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C5217	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5218	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5219	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5220	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5225	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5226	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5228	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5402-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
D4100-03	MA3X15700L	DIODE	4	
D4104	MA716	DIODE	1	
D4450	MA147	DIODE	1	
D4451	MA142WK	DIODE	1	
D4453-55	MA142WK	DIODE	3	
D4460	MA142WK	DIODE	1	
D4562-65	MA3X15700L	DIODE	4	
D4566,67	MA142WA	DIODE	2	
D4820-23	MA3X15700L	DIODE	4	
D4824-26	MA142WA	DIODE	3	
D5001,02	MA716	DIODE	2	
D5200	MA152A	DIODE	1	
D5201,02	MA3X15700L	DIODE	2	
FL4950	VLF1466B223	LINE FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4100,01	C0ABBB000184	IC	2	
IC4102,03	THC4052FT	IC	2	
IC4104	C0CBADD00003	IC	1	
IC4105	C0CBBDB00004	IC	1	
IC4106,07	C0ABBB000184	IC	2	
IC4110,11	C0ABBB000184	IC	2	
IC4112,13	THC4052FT	IC	2	
IC4300	C0JBAZ001121	IC	1	
IC4301,02	C0ABBB000184	IC	2	
IC4306	C0FBZK000006	IC	1	
IC4308	C0CBABE00013	IC	1	
IC4309,10	C0ABBB000184	IC	2	
IC4313,14	THC4052FT	IC	2	
IC4316	THC4052FT	IC	1	
IC4450	C0FBBK000029	IC	1	
IC4451	C0CBADD00003	IC	1	
IC4452	C0CBBDB00004	IC	1	
IC4453,54	C0ABBB000184	IC	2	
IC4455	C0CBADD00003	IC	1	
IC4456	C0CBBDB00004	IC	1	
IC4457,58	THC4052FT	IC	2	
IC4459	C0CBADD00003	IC	1	
IC4460	C0CBBDB00004	IC	1	
IC4463,64	C0ABBB000184	IC	2	
IC4465	C0CBADC00063	IC	1	
IC4560,61	C0ABBB000184	IC	2	
IC4562,63	THC4052FT	IC	2	
IC4564-67	NJM4556AM	IC	4	C0ABBB000042
IC4820,21	C0FBBG000033	IC	2	
IC4822,23	C0ABBB000184	IC	2	
IC4824,25	TC4W53FU	IC	2	
IC4826	THC4052FT	IC	1	
IC4827	NJM4556AM	IC	1	C0ABBB000042
IC4828	THC4052FT	IC	1	
IC4829-31	NJM4556AM	IC	3	C0ABBB000042
IC4832	C0ABBB000184	IC	1	
IC4950	C3BBFC000270	IC	1	
IC4951	C0CBAAB00021	IC	1	
IC4952	C1ZBZ0001836	IC	1	
IC5001-03	C0ABBB000184	IC	3	
IC5004	C0JBAS000075	IC	1	
IC5006	C0ABBB000184	IC	1	
IC5008	C0JBAS000075	IC	1	
IC5009	C1BB00000311	IC	1	
IC5010	C0ABBB000184	IC	1	
IC5011	THC4052FT	IC	1	
IC5013	C0CBADD00003	IC	1	
IC5015	C0ABBB000184	IC	1	
IC5016	C0CBBDB00004	IC	1	
IC5017	C0CBADD00003	IC	1	
IC5019	C0CBBDB00004	IC	1	
IC5020	NJM78L09UA	IC	1	C0CBAHC00002
IC5200	C0JBAZ001121	IC	1	
IC5202	C0FBZH000011	IC	1	
IC5203	C0ABBB000184	IC	1	
IC5204	C0CBABE00013	IC	1	
IC5401	C0JBAZ001003	IC	1	
IC5402	C0JBAZ001137	IC	1	
IC5404	C0JBAZ001121	IC	1	
IC5405	C0JBAA000261	IC	1	
ID5400	VVVSI3891	SOFTWARE	1	DOWNLOAD ONLY
IP5400	C1ZBZ0001555	IC	1	
L4950	VLF1151A132	COIL	1	
P4001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P5400	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4450-53	2SB1219A-R	TRANSISTOR	4	
Q4454,55	2SD1979	TRANSISTOR	2	
Q4560,61	2SD1979	TRANSISTOR	2	
Q4562	2SD602A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4563	2SB710A-RS	TRANSISTOR	1	
Q4564-69	2SD1328	TRANSISTOR	6	
Q4820	2SD602A-R	TRANSISTOR	1	
Q4821	2SB710A-RS	TRANSISTOR	1	
Q4822-29	2SD1328	TRANSISTOR	8	
Q5200-02	2SD1328	TRANSISTOR	3	
QR4450-53	UNR521300L	TRANSISTOR	4	
QR4454,55	UNR511300L	TRANSISTOR	2	
QR4560,61	UNR521300L	TRANSISTOR	2	
QR4562,63	UNR511300L	TRANSISTOR	2	
R4001	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4030,31	ERDS2TJ392	C.RESISTOR 1/4W 3.9K	2	D0AE392JA045
R4100,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4102,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4104,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4106-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4110-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4114	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4115	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4116	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4117	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4118	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4119	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4120	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4122	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4123	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4124	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4125	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4126-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4130	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4131	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4132	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4133	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4134	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4135	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4136	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4137	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4138	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4139	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4140	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4141	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4142-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4148,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4150,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4152,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4154,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4156,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4160,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4162,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4164,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4166	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4168	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4170	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4171	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4172	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4173	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4174	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4175	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4176	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4177	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4178	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4179	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4180	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4181	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4182	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4183	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4184	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4185	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4188,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4190,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4300	D1H84704A008	COMBI.R-R 47	1	
R4301	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4304,05	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4308-11	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	4	
R4316,17	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R4320,21	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4324,25	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4328-31	ERJ3RBD331	M.RESISTOR CH 1/16W 330	4	
R4336	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4338,39	D1H84704A008	COMBI.R-R 47	2	
R4340	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4342	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4344	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4348	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4350-53	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4358,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4362,63	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R4366,67	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R4370,71	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4378,79	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R4382	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4383	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4384	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4385	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4386	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4387	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4388	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4389	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4398	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4399	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4400	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4401	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4402	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4403	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4411	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4413,14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4417,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4454	D1H84704A008	COMBI.R-R 47	1	
R4455,56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4457	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4458	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4459,60	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4461	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4462	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4463	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4464	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4465	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4466	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4468-71	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4472	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4473,74	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4475-78	ERJ3RBD201	M.RESISTOR CH 1/16W 200	4	
R4479	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4481,82	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4485,86	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R4487	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4488	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4489	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4490	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4491	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4492	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4493	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4494	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4495	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4496	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4497	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4498	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4499	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4500	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4501,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4505,06	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4507,08	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4511	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4512	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4513	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4514	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4515	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4516	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4517,18	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4519,20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4523,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4527-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R4534	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4560,61	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4564,65	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4566,67	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4568,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4570	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4571	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4572	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4573	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4574	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4575	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4576,77	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4578,79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4580,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4582,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4586,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4588,89	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4590,91	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4592	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4593	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4594	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4595	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4596	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4597	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4598	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4599	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4600	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4601	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4602	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4603	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4604	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4605	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4606-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4610,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4612,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4616,17	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4618,19	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4620,21	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4622-29	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4630-33	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4634,35	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4636-39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4640,41	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4642-45	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4646-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4650-53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4654-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4824,25	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4826	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4827	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4828	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4830,31	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4832,33	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R4834-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R4840,41	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4842	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4843	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4844	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4845	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4846	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4847	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4848	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4849	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4850	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4851	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4852	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4853	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4854	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4855	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4856,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4858,59	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4862,63	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4864,65	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4866,67	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R4868-75	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4876-79	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4880,81	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4882-85	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4886,87	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4888-91	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4892,93	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R4894,95	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4896,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4898,99	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4900,01	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4902,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4904,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4906	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4908	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4909	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4911-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4950-53	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R4954	EXBV8V101J	COMBI.R-R 100	1	
R4958	EXBV8V473J	COMBI.R-R 47K	1	
R4960,61	EXBV8V473J	COMBI.R-R 47K	2	
R4965	EXBV8V473J	COMBI.R-R 47K	1	
R4967-69	EXBV8V473J	COMBI.R-R 47K	3	
R4971-74	EXBV8V473J	COMBI.R-R 47K	4	
R4979	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5001	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5003	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5004,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5006	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5008	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5010	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5012	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5015	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5018	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5020	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5022	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5027	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5032	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5033	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5035	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R5037	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5038	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5039	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R5041	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5045,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5047	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R5049	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5050,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5052	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5053,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5055-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R5059	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5061,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5071	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5078	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R5079	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5080	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5081	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5084	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5085	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5086	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5088	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5089	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5090	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84704A008	COMBI.R-R 47	1	
R5202	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5206	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5207	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5208	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R5209	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R5212	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5213	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R5215	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R5216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5217	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R5218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5219	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5221,22	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5226	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5228,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5231	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5232	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5236	D1H84704A008	COMBI.R-R 47	1	
R5237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5238	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5239	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R5241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5242	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5400	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5402,03	D0GZ220J0001	M.RESISTOR CH 22	2	
R5405	EXBV8V102J	COMBI.R-R 1K	1	
R5406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5407,08	EXBV8V473J	COMBI.R-R 47K	2	
R5409	D0GZ103J0001	M.RESISTOR CH 10K	1	
SW4100,01	VSS0126	SWITCH	2	
TG4100	EYF6CU	TEST POINT	1	
TG4300	EYF6CU	TEST POINT	1	
TG5001	EYF6CU	TEST POINT	1	
TP4300-02	EYF6CU	TEST POINT	3	
TP4560,61	EYF6CU	TEST POINT	2	
TP4820,21	EYF6CU	TEST POINT	2	
TP5002	EYF6CU	TEST POINT	1	
TP5200	EYF6CU	TEST POINT	1	
VR4300,01	EVMEGSA00B53	V.RESISTOR 5K	2	
VR4450,51	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4560,61	EVMEGSA00B14	V.RESISTOR 10K	2	
VR5001	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5004	EVMEGSA00B53	V.RESISTOR 5K	1	
VR5006	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5007	EVMEGSA00B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E2	VEP83594B	F2A V IN P.C.BOARD	1	(RTL)
C3001-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3015-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3028	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3029	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3030	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3031	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3032-38	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3039-53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C3054-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3061	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3062	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3063-69	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3070	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3071	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3072-76	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	5	
C3102-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3105	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3106	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3108,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3110	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C3111	ECHU1H683JB	P.CAPACITOR 50V 0.068U	1	
C3112	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3113	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C3114	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3115	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3116	ECHU1C392JA	P.CAPACITOR 16V 3900P	1	
C3117	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C3118	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3119	ECHU1C152J	P.CAPACITOR 16V 1500P	1	
C3120	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	
C3121	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3122,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3124	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3125	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3152	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3157,58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3159	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3160	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3163	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3165-67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3168	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C3170-77	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3179,80	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3182	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3183,84	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3204	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3205	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3206-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3213	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3214-19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3253-55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3256	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3257	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3258	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3259	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3260,61	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C3262-65	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3270	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3272	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3273	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3274	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3275	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3276	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3278	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3279	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3280,81	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3282	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3283-86	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3300	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3302	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3306,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3308	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3309	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3311	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3314,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3316	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3317	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3318,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3356-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3360	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3361-65	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3366,67	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C3368,69	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3370-72	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	3	
C3373,74	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C3375,76	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3377,78	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C3381,82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3400	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3401	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3404	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3405	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3406,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3410	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	1	
C3411	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3412	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3413,14	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C3450	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3451	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3452	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3453	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3454	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3455	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3456	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3457	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3459	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3460	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3461	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3462	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3463	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3464	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C3465	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3467	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3468	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3469	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3470,71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3472	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3473	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3474	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3475	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3476	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3477-79	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3504	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3505-07	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	
C3508-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3536	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3538	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3539	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3540,41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3542	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C3543	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3546	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3547	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3549-51	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3552	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3553	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3554	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3555-62	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3564	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3606	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3607	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3608	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3609	ECJ2VC1H680J	C.CAPACITOR CH 50V 68P	1	
C3610	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3611-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3615	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3617	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3618	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3619	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3620	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3621	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3622,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3624	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3625	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3626-34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3636	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3706	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3707	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3708	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3709	ECJ2VC1H680J	C.CAPACITOR CH 50V 68P	1	
C3710	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3711-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3715	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3717	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3718	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3719	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3720	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3721	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3722,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3724	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3725	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3726-34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3736	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3803-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3820	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3821	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3822-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3828	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3829-35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3836	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3870,71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3900	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3901-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3950-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
D3001-04	MA704A	DIODE	4	
D3100	MA142K	DIODE	1	
D3150	MA3J14300L	DIODE	1	
D3300	MA3J14300L	DIODE	1	
D3350	MA142K	DIODE	1	
D3400	MA142WK	DIODE	1	
D3450	MA142K	DIODE	1	
D3451	MA335-R	DIODE	1	
D3530	MA3J14300L	DIODE	1	
D3600	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
DL3450	VLD0264	COIL	1	G2A7R9C00001
FL3100	VLF1015	FILTER	1	
FL3530	VLF1179	FILTER	1	
FL3600	VLF1476	FILTER	1	J0E3504B0004
FL3700	VLF1476	FILTER	1	J0E3504B0004
IC3001-04	AN77L03M	IC	4	
IC3005	AN77L05M	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3006,07	NJM78L09UA	IC	2	C0CBAHC00002
IC3008-14	AN77L05M	IC	7	
IC3015-21	C0CBBDB00004	IC	7	
IC3022	C0CBAAB00021	IC	1	
IC3100	C0JBAS000075	IC	1	
IC3101	AN3296S	IC	1	
IC3102	SN74LS221NS	IC	1	
IC3150	C0ABFB000012	IC	1	
IC3151	C0ABEB000023	IC	1	
IC3152	C0FBAF000042	IC	1	
IC3153	C0JBAZ001437	IC	1	
IC3154	C0JBAA000261	IC	1	
IC3200	C0JBAA000261	IC	1	
IC3201	CXD2024AQ	IC	1	C1AB00000468
IC3202	C0JBAA000261	IC	1	
IC3300	SN74LV04APW	IC	1	C0JBAB000247
IC3301	SN74LS221NS	IC	1	
IC3302	C0ABFB000012	IC	1	
IC3304,05	C0JBAR000111	IC	2	
IC3350	NJM319V	IC	1	
IC3351,52	NJM1496V	IC	2	
IC3400	AN91A12S	IC	1	
IC3450	C0JBAC000158	IC	1	
IC3451	C0JBAB000354	IC	1	
IC3452	C0JBAF000250	IC	1	
IC3453,54	SN74LS221NS	IC	2	
IC3455	C0ABEB000023	IC	1	
IC3456	C0JBAR000111	IC	1	
IC3457	C0JBAZ001003	IC	1	
IC3530	C0JBAS000075	IC	1	
IC3531	C0ABFB000012	IC	1	
IC3532	C0FBAF000042	IC	1	
IC3533	C0ABEB000023	IC	1	
IC3534	AD8055AR	IC	1	C0ABGB000013
IC3600	C0JBAS000075	IC	1	
IC3601	C0ZBZ0000569	IC	1	
IC3602	C0ABFB000012	IC	1	
IC3603	C0ABEB000023	IC	1	
IC3604	C0FBAF000042	IC	1	
IC3700	C0JBAS000075	IC	1	
IC3701	C0ZBZ0000569	IC	1	
IC3702	C0ABFB000012	IC	1	
IC3703	C0ABEB000023	IC	1	
IC3704	C0FBAF000042	IC	1	
IC3800	M62370GP	IC	1	C0FBBD000082
IC3820	C1ZBZ0002123	IC	1	
IC3821	C0JBAA000261	IC	1	
IC3822	AK6440AF	IC	1	
IC3823,24	C0JBAZ001437	IC	2	
IC3870	74LCX244MTCX	IC	1	C0JBAZ000545
IC3871	C0JBAZ001003	IC	1	
IC3900,01	C0JBAZ001121	IC	2	
IC3902	C0JBAZ001137	IC	1	
IC3950	C0JBAZ001003	IC	1	
ID3950	VVVSI3933A	SOFTWARE	1	DOWNLOAD ONLY
IP3950	C1ZBZ0001555	IC	1	
L3001	VLF1151A132	COIL	1	
L3004	VLF1151A132	COIL	1	
L3153	G1C101K00022	COIL 100UH	1	
L3155	G1C101K00022	COIL 100UH	1	
L3253,54	VLQ0163J180	COIL 18UH	2	G1C180J00001
L3255,56	VLQ0163J220	COIL 22UH	2	
L3257	VLQ0163J270	COIL 27UH	1	
L3258	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3259	VLQ0163J5R6	COIL 5.6UH	1	
L3353	VLQ0163J470	COIL 47UH	1	
L3354,55	VLQ0163J680	COIL 68UH	2	
L3402	VLQ0133J471	COIL 470UH	1	G1C471J00001
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3533	VLQ0133J821	COIL 820UH	1	
L3535	G1C101K00022	COIL 100UH	1	
L3603	VLQ0133J821	COIL 820UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3605	G1C101K00022	COIL 100UH	1	
L3703	VLQ0133J821	COIL 820UH	1	
L3705	G1C101K00022	COIL 100UH	1	
P3001	K1KA96B00032	CONNECTOR (MALE)	1	
P3950	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3100	2SB0709A0L	TRANSISTOR	1	
Q3101	2SD601A	TRANSISTOR	1	
Q3102	XN4501	TRANSISTOR-RESISTOR	1	
Q3150	2SD601A	TRANSISTOR	1	
Q3151	2SC3130	TRANSISTOR	1	
Q3152	2SB0709A0L	TRANSISTOR	1	
Q3153-55	2SD601A	TRANSISTOR	3	
Q3156	2SK198-R	TRANSISTOR	1	2SK01980R
Q3250,51	2SD601A	TRANSISTOR	2	
Q3252,53	2SB0709A0L	TRANSISTOR	2	
Q3254,55	2SD601A	TRANSISTOR	2	
Q3256,57	2SC3130	TRANSISTOR	2	
Q3258-60	2SD601A	TRANSISTOR	3	
Q3261	2SB0709A0L	TRANSISTOR	1	
Q3300	2SD601A	TRANSISTOR	1	
Q3350-58	2SD601A	TRANSISTOR	9	
Q3450	2SC3757-R	TRANSISTOR	1	
Q3451,52	2SA1226E34	TRANSISTOR	2	
Q3453	2SC3757-R	TRANSISTOR	1	
Q3454	2SC2295	TRANSISTOR	1	
Q3500-02	XN0460100L	TRANSISTOR-RESISTOR	3	
Q3503	XN0121300L	TRANSISTOR-RESISTOR	1	
Q3504	2SC3757-R	TRANSISTOR	1	
Q3530	2SD601A	TRANSISTOR	1	
Q3531,32	2SB0709A0L	TRANSISTOR	2	
Q3535	2SB0709A0L	TRANSISTOR	1	
Q3536	2SD601A	TRANSISTOR	1	
Q3539	2SK198-R	TRANSISTOR	1	2SK01980R
Q3540	2SD1979	TRANSISTOR	1	
Q3600	2SD601A	TRANSISTOR	1	
Q3601	2SB0709A0L	TRANSISTOR	1	
Q3602	2SD601A	TRANSISTOR	1	
Q3603	2SB0709A0L	TRANSISTOR	1	
Q3604	2SD601A	TRANSISTOR	1	
Q3605	2SC3130	TRANSISTOR	1	
Q3606,07	2SD601A	TRANSISTOR	2	
Q3608	2SK198-R	TRANSISTOR	1	2SK01980R
Q3609	2SD601A	TRANSISTOR	1	
Q3610	2SD1979	TRANSISTOR	1	
Q3700	2SD601A	TRANSISTOR	1	
Q3701	2SB0709A0L	TRANSISTOR	1	
Q3702	2SD601A	TRANSISTOR	1	
Q3703	2SB0709A0L	TRANSISTOR	1	
Q3704	2SD601A	TRANSISTOR	1	
Q3705	2SC3130	TRANSISTOR	1	
Q3706,07	2SD601A	TRANSISTOR	2	
Q3708	2SK198-R	TRANSISTOR	1	2SK01980R
Q3709	2SD601A	TRANSISTOR	1	
Q3710	2SD1979	TRANSISTOR	1	
R3100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3101	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3102	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3103	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3106	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3108	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3109	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3110	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3113	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3114	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3115	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3116	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3117	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3119	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3120	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3121	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3123,24	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R3125	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3150	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3151	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3152	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3153	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3154	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3156	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3157	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3160	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3163	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3164	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3165	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3166	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3171-73	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3175	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3176	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3177	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3178	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R3179	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R3180	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3181	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3184	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3201	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3206	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3207	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3208	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3209	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3211	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3212	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3214,15	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3250,51	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3252	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3253	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3256,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3258,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3260,61	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3262,63	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3275,76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3278	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3279	VRE006610102	M.RESISTOR CH 1/10W 1K	1	D0YD102JA007
R3280,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3282	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3283	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3284	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3285	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3287	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3288	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3289	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3291	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3292	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3293	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3303	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3304	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3305	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3308	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3310	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3317	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3318	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3320	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3322	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3324,25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3326	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3327	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3329,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3332-35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3351	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3353	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3354	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3356	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3357	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3358,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3360,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3364,65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3366	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3367	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3368,69	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3370-73	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	4	
R3374	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3375	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3376	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3377	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3378	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3379	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3380	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3382,83	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3384,85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3386,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3388	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3390-92	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3393	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3394,95	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R3396	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3397	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3398	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3402	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3404	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3405	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3406-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3450	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3451	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3452	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3453	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3456	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3457	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3458	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3459	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3460	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3461	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3462	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3463	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3467	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3468,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3470	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3471	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3472,73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3474	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3475,76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3478	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3479	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3480	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3481	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3482,83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3484	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3485-89	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3500-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3503-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3506	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3507,08	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3509-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3512	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3513	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3514	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R3515	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3516	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3517	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3518	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3519	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3520,21	ERJ3RED680	M.RESISTOR CH 1/16W 68	2	
R3522	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3531	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3532	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3534	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3535	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3536	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3538	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3539	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3541	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3542	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3545	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3546	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3547	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3551	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3554,55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3556	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3557	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3560,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3563	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3564	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3565	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3567	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3568	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3569	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3570	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3571	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3572	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3573	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3574	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3575	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3576	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3577	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3578	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3579	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3580	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3581	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3584	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3600	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3602	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3603	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3604-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3608	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3609	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3610	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3613,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3615	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3616	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3617	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3618	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3619	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3620	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3623	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3624	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3626	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3627	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3628	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3629	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3631	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3632,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3634	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3635	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3636	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3638	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3639	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3641	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3642,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3644	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3645	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3646	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3647	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3648	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3649	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3650	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3700	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3701	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3702	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3703	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3704-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3708	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3709	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3710	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3711	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3712	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3713,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3715	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3717	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3718	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3719	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3720	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3724	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3727	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3731	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3732,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3735	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3736	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3737	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3741	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3742,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3744	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3745	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3746	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3747	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3748	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3749	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3750	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3800-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3803-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3820	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3821	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3822	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3829	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3831	EXBV8V473J	COMBI.R-R 47K	1	
R3832,33	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3834,35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3836	EXBV8V102J	COMBI.R-R 1K	1	
R3870	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3871,72	EXBV8V101J	COMBI.R-R 100	2	
R3874	D1H833040002	COMBI.R-R 33	1	
R3875-77	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3900	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3901,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3903,04	EXBV8V473J	COMBI.R-R 47K	2	
R3950	EXBV8V102J	COMBI.R-R 1K	1	
R3951	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3952	D0GZ103J0001	M.RESISTOR CH 10K	1	
TG3302	EYF6CU	TEST POINT	1	
TG3451	EYF6CU	TEST POINT	1	
TG3531	EYF6CU	TEST POINT	1	
TG3820	EYF6CU	TEST POINT	1	
TP3300,01	EYF6CU	TEST POINT	2	
TP3450	EYF6CU	TEST POINT	1	
TP3821,22	EYF6CU	TEST POINT	2	
TP3824	EYF6CU	TEST POINT	1	
TP3870,71	EYF6CU	TEST POINT	2	
VC3450	VCV0047	TRIMMER	1	
VR3300	EVMEGSA00B53	V.RESISTOR 5K	1	
VR3301	EVMEGSA00B13	V.RESISTOR 1K	1	
VR3450	EVMEGSA00B23	V.RESISTOR 2K	1	
X3300	VSX0338	CRYSTAL OSCILLATOR	1	H1C1435A0002
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E3	VEP84384B	F2B A PROC P.C.BOARD	1	(RTL)
C4055	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4056	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4061-63	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4064,65	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4066,67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4100-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4103	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4150-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4300,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4302,03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4305,06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4350-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4401-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4500	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4501-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4550	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4551-58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4600	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4601	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4602-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4653,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4655,56	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
IC4052,53	C0CBAAB00021	IC	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4100	C0JBAZ001121	IC	1	
IC4101	C0JBAZ001137	IC	1	
IC4102	C0JBAZ001121	IC	1	
IC4150-52	C0JBAZ001003	IC	3	
IC4301	C0ZBZ0000363	IC	1	
IC4302	C0JBAZ001003	IC	1	
IC4350	C0JBAZ001003	IC	1	
IC4400	C1ZBZ0001836	IC	1	
IC4500	C1ZBZ0001836	IC	1	
IC4550,51	C3BBFC000270	IC	2	
IC4552	C1AB00001135	IC	1	
IC4553,54	C3BBFC000270	IC	2	
IC4601	UPD65949G076	IC	1	C1AB00000858
IC4602	C3BBFC000270	IC	1	
IC4651,52	C5AB00000006	IC	2	
ID4351	VVVSI4183	SOFTWARE	1	DOWNLOAD ONLY
IP4351	C1ZBZ0001555	IC	1	
L4052	VLF1151A132	COIL	1	
L4301	VLQ0319K470	COIL 47UH	1	G1C470K00013
P4001	K1KA96B00032	CONNECTOR (MALE)	1	
P4350	K1KA08B00147	CONNECTOR (FEMALE)	1	
R4001	EXBV8V101J	COMBI.R-R 100	1	
R4100	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4101,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	EXBV8V473J	COMBI.R-R 47K	2	
R4105,06	D0GZ220J0001	M.RESISTOR CH 22	2	
R4150-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4153,54	D1H84704A008	COMBI.R-R 47	2	
R4155,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4157	D1H84704A008	COMBI.R-R 47	1	
R4160-64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R4301	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4303-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R4310	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4350	EXBV8V102J	COMBI.R-R 1K	1	
R4351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4352	D0GZ103J0001	M.RESISTOR CH 10K	1	
R4400,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
R4410,11	EXBV8V473J	COMBI.R-R 47K	2	
R4412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4500,01	EXBV8V473J	COMBI.R-R 47K	2	
R4502	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4551	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4554	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4600	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG4001	EYF6CU	TEST POINT	1	
TP4409	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E4	VEP83629E	F4 REC PB P.C.BOARD	1	(RTL)
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3032-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3050	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3056	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3079	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3080-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3210-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3369	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3370	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3371	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3372,73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3380-85	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3640	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3680-82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3750	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4000	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4003	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4005	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4006	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4100-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C4111	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4112-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4122	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4123	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4124	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4125	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4126	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4150-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4200-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C4214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4215-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4225	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4226	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4227	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4228	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4229	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4250-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4302	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4304	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4306	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4307	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4308,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4310	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
D3010	MA716	DIODE	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D3052,53	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
D4302,03	MA3J14300L	DIODE	2	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3067	C0JBAB000553	IC	1	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000223	VHC	1	
IC3154	C0JBAZ001121	IC	1	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0002123	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000045	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	
IC3351	DS90LV047AC	IC	1	
IC3352	C0JBAZ001121	IC	1	
IC3353	C0JBAZ001728	IC	1	
IC3380,81	DS90LV048AC	IC	2	
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000045	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
IC4000	C0EBE0000209	IC	1	
IC4001	C0CBAAD00023	IC	1	
IC4101	C3ABQG000045	IC	1	
IC4150	T160G70-1601	IC	1	
IC4201	C3ABQG000045	IC	1	
IC4202-04	C0JBAZ001728	IC	3	
IC4250	T160G70-1601	IC	1	
IC4300	C0JBAZ001437	IC	1	
IC4301	C0ABEB000023	IC	1	
IC4302	TLC2932IPW	IC	1	C0ABFA000011
IC4303	C0JBAZ000852	IC	1	
ID0	VVVSI4115	SOFTWARE	1	DOWNLOAD ONLY
ID3841	VVVSI4119	SOFTWARE	1	DOWNLOAD ONLY
ID4100	VVVSI4128	SOFTWARE	1	DOWNLOAD ONLY
ID4200	VVVSI4128	SOFTWARE	1	DOWNLOAD ONLY
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
IP4100	C1ZBZ0002330	IC	1	
IP4200	C1ZBZ0002330	IC	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3350,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4100-02	J0JKC0000009	FILTER	3	
L4103	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4150	J0JKC0000009	FILTER	1	
L4200-02	J0JKC0000009	FILTER	3	
L4203	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4250	J0JKC0000009	FILTER	1	
L4300,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	
P4200	VJP3125B012	CONNECTOR (MALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
⚠ Q4000	HAT1033T	TRANSISTOR	1	B1DHCC000017
QR4000	UNR521400L	TRANSISTOR-RESISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	EXBV8V102J	COMBI.R-R 1K	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	EXBV8V102J	COMBI.R-R 1K	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	EXBV8V102J	COMBI.R-R 1K	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3053	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3054	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R3057	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3060	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3083-85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3118-20	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3122	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	EXBV8V473J	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	EXBV8V473J	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3162	EXBV8V473J	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3165,66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3171-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3178,79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	EXBV8V473J	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	EXBV8V101J	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	EXBV8V102J	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	EXBV8V102J	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	EXBV8V102J	COMBI.R-R 1K	1	
R3266-68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3276,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3282,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	EXBV8V102J	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3311	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3371,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3375	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3377-79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3383,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3426-31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	EXBV8V102J	COMBI.R-R 1K	2	
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3490-92	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	EXBV8V101J	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3652-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3678	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3756,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	EXBV8V102J	COMBI.R-R 1K	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	EXBV8V473J	COMBI.R-R 47K	2	
R3792	EXBV8V102J	COMBI.R-R 1K	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	EXBV8V473J	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	EXBV8V102J	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	EXBV8V102J	COMBI.R-R 1K	1	
R3852,53	EXBV8V473J	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3897	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	EXBV8V102J	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
R3970	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4000	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4001	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4100-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R4105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4107,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4109	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4110	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4111,12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4201	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4205	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4207,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4209	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4215	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4216,17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4218-20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4222	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4225-37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	13	
R4240,41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4304,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4306	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4309	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4311	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4313	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4314-17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150,51	EYF6CU	TEST POINT	2	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0645	CRYSTAL OSCILLATOR	1	
X3670	VSX0975	CRYSTAL OSCILLATOR	1	H1C2295B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E5	VEP83597E	F5 V OUT P.C.BOARD	1	(RTL)
C3001,02	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C3003,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3012-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3050	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3051	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3052	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3053-64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3065	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3070-73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3080-84	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3090-96	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3100	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3101	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3102-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3150	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3151	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3152,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3154	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3155-72	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	18	
C3173	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3201	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3202	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3203,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3208,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3210-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3214,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3216,17	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C3218-20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3221	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3222,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3224	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3225,26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3227	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3228,29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3230	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3231-35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3236,37	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2	
C3238-43	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3244	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3245	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3246-49	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3250	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3251-53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	3	
C3300-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3308-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3312,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3314,15	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3316	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C3317	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3321	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3323	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3325	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3326-41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	16	
C3342-44	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3345-47	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	3	
C3359,60	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3400-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3404,05	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3406-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3412	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3413-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3419	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3420	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3421	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3422,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3424	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C3425	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3426,27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3429	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C3430,31	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3432	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3433	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3434-43	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3444	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3445-48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3449-52	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3455,56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3458	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3459-61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3463	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3464	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3467	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3468	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3469,70	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3500-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3508-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3512,13	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3514	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3515	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3516	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3517-19	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	3	
C3520,21	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3522,23	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C3524-37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C3538-40	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3541-43	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	3	
C3544,45	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3600	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3601,02	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3603	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3604	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3605	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C3606,07	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C3608	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3609	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3612	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3613	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3614	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3615	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3617	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3618	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3619-22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3623	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3624	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3625	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3627-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3630,31	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3633	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3700,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3702	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3703,04	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3705-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3708	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3709-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	3	
C3712,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3714,15	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3716-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3719	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3720-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3724	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3725	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3726,27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3729	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3731	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3732	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3733	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3735	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3736	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3737	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3739	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3741	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3742	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3744	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3745	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3747	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3749	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3752,53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3800	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3801-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3900-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3907	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3908	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D3300-02	MA3068-M	DIODE	3	
D3500-02	MA3068-M	DIODE	3	
D3600	MA142WK	DIODE	1	
D3601	MA716	DIODE	1	
D3701	MA142K	DIODE	1	
D3703	MA335-R	DIODE	1	
D3704	MA142K	DIODE	1	
FL3200,01	VLF1476	FILTER	2	J0E3504B0004
FL3202	VLF1354	FILTER	1	
FL3400,01	VLF1354	FILTER	2	
IC3010	C0JBAZ001003	IC	1	
IC3011,12	C0JBAZ001121	IC	2	
IC3013	C0JBAZ001137	IC	1	
IC3015	74LCX240MTCX	IC	1	C0JBAZ001775
IC3016	C0JBAZ001121	IC	1	
IC3017	MS51V8221-3G	IC	1	
IC3018	C0JBAE000238	IC	1	
IC3050	C0CBAAB00021	IC	1	
IC3051	74LCX240MTCX	IC	1	C0JBAZ001775
IC3052	C1ZBZ0001836	IC	1	
IC3070	T160G70-1601	IC	1	
IC3080-83	MS51V8221-3G	IC	4	
IC3084	C0JBAZ001102	IC	1	
IC3090	MB87D132	IC	1	C1ZBZ0001516
IC3091-93	C0JBAZ001121	IC	3	
IC3100	UPD65944G020	IC	1	
IC3150	C0CBAAB00021	IC	1	
IC3151,52	C0JBAZ001121	IC	2	
IC3153	C1ZBZ0002123	IC	1	
IC3154	AK6440AF	IC	1	
IC3200	C0CBADD00003	IC	1	
IC3201	C0ZBZ0000504	IC	1	
IC3202	M62370GP	IC	1	C0FBBD000082
IC3203	C0CBADD00003	IC	1	
IC3204	C0ABEB000023	IC	1	
IC3205	C0CBBDB00004	IC	1	
IC3206,07	C0ZBZ0000569	IC	2	
IC3208	NJM2534V	IC	1	
IC3209	C0CBADD00003	IC	1	
IC3300	C0CBADD00003	IC	1	
IC3301	C0CBBDB00004	IC	1	
IC3302	C0CBADD00003	IC	1	
IC3303	C0CBBDB00004	IC	1	
IC3304,05	AD8055AR	IC	2	C0ABGB000013
IC3306	C0ZBZ0000569	IC	1	
IC3307	AD8055AR	IC	1	C0ABGB000013
IC3308-12	C0ZBZ0000569	IC	5	
IC3400	C0CBADD00003	IC	1	
IC3401	C0CBBDB00004	IC	1	
IC3402,03	C0ABEB000023	IC	2	
IC3404	C0CBADD00003	IC	1	
IC3405	C0CBBDB00004	IC	1	
IC3406	C0ZBZ0000569	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3407	NJM2534V	IC	1	
IC3408	AD8055AR	IC	1	C0ABGB000013
IC3409	C0ZBZ0000569	IC	1	
IC3410	C0CBADD00003	IC	1	
IC3411	C0CBBDB00004	IC	1	
IC3412	C0CBADD00003	IC	1	
IC3413	C0CBBDB00004	IC	1	
IC3414	C0ZBZ0000569	IC	1	
IC3415	AD8055AR	IC	1	C0ABGB000013
IC3416	C0ZBZ0000569	IC	1	
IC3417	AD8055AR	IC	1	C0ABGB000013
IC3500	C0CBADD00003	IC	1	
IC3501	C0CBBDB00004	IC	1	
IC3502	C0CBADD00003	IC	1	
IC3503	C0CBBDB00004	IC	1	
IC3504,05	C0JBAA000175	IC	2	
IC3506-08	NJM2534V	IC	3	
IC3600	AN91A12S	IC	1	
IC3601	NJM78L09UA	IC	1	C0CBAHC00002
IC3603	C0CBBDB00004	IC	1	
IC3605	C0CBADD00003	IC	1	
IC3606	NJM360M	IC	1	C0BBZB000001
IC3607	C0JBAC000242	IC	1	
IC3608	SN74LS221NS	IC	1	
IC3609	C0JBAB000541	IC	1	
IC3700	C0CBADD00003	IC	1	
IC3701	C0CBBDB00004	IC	1	
IC3702	C0JBAS000075	IC	1	
IC3704	C0JBAZ001591	IC	1	
IC3705-07	C0ABEB000023	IC	3	
IC3710	NJM360M	IC	1	C0BBZB000001
IC3800,01	C0JBAZ001437	IC	2	
IC3802	UPD65650J203	IC	1	C1ZBZ0001380
IC3900-02	C0JBAZ001121	IC	3	
IC3903,04	74LCX240MTCX	IC	2	C0JBAZ001775
IC3905	AN77L03M	IC	1	
ID3880	VVVSI4116	SOFTWARE	1	DOWNLOAD ONLY
IP3010	C1ZBZ0001555	IC	1	
IP3018	C1ZBZ0001555	IC	1	
L3001,02	VLF1151A132	COIL	2	
L3300,01	VLQ0163J560	COIL 56UH	2	
L3302	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3400	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3500	VLQ0163J180	COIL 18UH	1	G1C180J00001
L3600	VLQ0163J101	COIL 100UH	1	
L3601	G1C221J00003	COIL 220UH	1	
L3602	VLQ0163J680	COIL 68UH	1	
L3700	VLQ0163J470	COIL 47UH	1	
L3701	G1C221J00003	COIL 220UH	1	
L3702-05	VLQ0163J470	COIL 47UH	4	
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3200-02	2SB0709A0L	TRANSISTOR	3	
Q3203-06	2SD601A	TRANSISTOR	4	
Q3207-09	2SB0709A0L	TRANSISTOR	3	
Q3210-14	2SD601A	TRANSISTOR	5	
Q3215	2SA1532-B	TRANSISTOR	1	
Q3216	2SB0709A0L	TRANSISTOR	1	
Q3300-02	2SB0709A0L	TRANSISTOR	3	
Q3303-08	2SD601A	TRANSISTOR	6	
Q3400-02	2SB0709A0L	TRANSISTOR	3	
Q3403,04	2SD601A	TRANSISTOR	2	
Q3405,06	2SB0709A0L	TRANSISTOR	2	
Q3407,08	2SD601A	TRANSISTOR	2	
Q3409	2SB0709A0L	TRANSISTOR	1	
Q3410	2SA1532-B	TRANSISTOR	1	
Q3411,12	2SD601A	TRANSISTOR	2	
Q3413	2SB0709A0L	TRANSISTOR	1	
Q3414	2SA1532-B	TRANSISTOR	1	
Q3415,16	2SB0709A0L	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q3417	2SD601A	TRANSISTOR	1	
Q3500-04	2SA1532-B	TRANSISTOR	5	
Q3505-10	2SB0709A0L	TRANSISTOR	6	
Q3511-16	2SD601A	TRANSISTOR	6	
Q3700	2SB0709A0L	TRANSISTOR	1	
Q3702	2SK608	TRANSISTOR	1	
Q3704	2SK608	TRANSISTOR	1	
QR3200	UNR521300L	TRANSISTOR	1	
R3001	EXBV8V102J	COMBI.R-R 1K	1	
R3010	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3011,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3013	EXBV8V102J	COMBI.R-R 1K	1	
R3014	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3015,16	EXBV8V473J	COMBI.R-R 47K	2	
R3017	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3020-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3025	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3030	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3031	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3033,34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3036	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3050	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3051	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3055	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3080	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3083,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3085-88	EXBV8V473J	COMBI.R-R 47K	4	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3093	EXBV8V102J	COMBI.R-R 1K	1	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3150,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3152	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3153	EXBV8V473J	COMBI.R-R 47K	1	
R3200	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3201-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3204-06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3207,08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3209,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3213,14	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R3215	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3218,19	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3220	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3221	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3222	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3223	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3224,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3227,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3229,30	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3231	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3233	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3234	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3236	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3237	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3238	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3239	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3240-44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R3245	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3246,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3248	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3249	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3250	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3251	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3252	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3253	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R3254	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3255	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R3256	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3257	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3259	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3260,61	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R3262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3264,65	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300,01	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3306-08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R3309-11	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3318-20	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R3321	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3322	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3323	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3324,25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3326,27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3328,29	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R3330,31	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3332-35	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	D0GD121JA003
R3336	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3337	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3339	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3340	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3341	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3342	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3343,44	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3400,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3403	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3404	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3405	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3406	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3407,08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3410	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3412	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3413	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3414	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3416,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3418	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3419	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3421	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3422	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3423,24	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3425	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3426,27	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3428	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3429	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3430	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3431	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3432	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3435	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3436	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3437	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3438	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3439	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3441	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R3442	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R3443	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3444	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3447	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3448	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3449	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3450	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3451	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3452	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3453,54	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3456	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3457,58	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3461-63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3464	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3466	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3467	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3468	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3469	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3471	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3500	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3502	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3503-05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R3506,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3508,09	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3510	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3511	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3512	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3513	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3514,15	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3516	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3518,19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3520,21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3522	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3523-25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3527,28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3529-31	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3532-34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3535-37	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3538-43	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	6	D0GD121JA003
R3544	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3545	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3546	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3547	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3548	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3549	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3550-54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R3600	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3601	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3602	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3603	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3604	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3605,06	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3607	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3608	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3609	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3610	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R3611	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3612	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3613	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3616	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3700	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3701	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3702	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3705	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3707	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3708	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3709	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3711,12	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3713	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3716	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3718	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3719	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3720	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3723	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3724	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3725	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3726	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3727	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3732,33	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3735	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3736	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3741	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3743	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3744	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3745	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3755	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3760	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3800-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3805	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3806	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3900-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3903-07	D1H833040002	COMBI.R-R 33	5	
R3908	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3909-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3912-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3917-24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
TG3601	EYF6CU	TEST POINT	1	
TG3702	EYF6CU	TEST POINT	1	
TG3800	EYF6CU	TEST POINT	1	
TP3153	EYF6CU	TEST POINT	1	
TP3600	EYF6CU	TEST POINT	1	
TP3701	EYF6CU	TEST POINT	1	
TP3802-04	EYF6CU	TEST POINT	3	
TP3806	EYF6CU	TEST POINT	1	
VC3701	ECV1ZW20X53T	TRIMMER	1	
VR3600	EVMEGSA00B14	V.RESISTOR 10K	1	
VR3700	EVMEGSA00B14	V.RESISTOR 10K	1	
X3701	H0D143500030	CRYSTAL OSCILLATOR	1	
X3702	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E6	VEP86326J	F6 SYSCON P.C.BOARD	1	(RTL)
C100-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C108,09	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C110,11	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C112-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C116,17	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C118	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C119	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C120,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C122	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C123-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C126	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C127-30	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	4	
C200,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C202,03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C204	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C205	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C206	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C207-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C218	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C219-22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C224-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C229	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C301-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C305-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C308-10	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C400-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C405	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C407,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C502-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C600	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C601-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C609,10	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C611-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C614	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C700	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C701	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C702-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C706	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C707	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C708	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C709	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C710	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C711-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C722	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C723	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C724	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C725,26	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C727-30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C800-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C803	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C804	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C805	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C900,01	VCK0152	C.CAPACITOR	2	F1L1C1060016
C903-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C907,08	VCK0152	C.CAPACITOR	2	F1L1C1060016
C909	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C910	VCK0152	C.CAPACITOR	1	F1L1C1060016
C911,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C913	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C914	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C915	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C916	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C917	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C918	VCK0152	C.CAPACITOR	1	F1L1C1060016
C919-22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C923,24	EEVHP1A330	E.CAPACITOR 10V 33U	2	
C925,26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C927	VCK0152	C.CAPACITOR	1	F1L1C1060016
C1000-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	25	
C1100-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C1106-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C1200-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C1300-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
D100	MA716	DIODE	1	
D204-08	MA716	DIODE	5	
D500-06	MA716	DIODE	7	
D702	MA147	DIODE	1	
D900,01	MA147	DIODE	2	
D903,04	MA147	DIODE	2	
D1000	MA147	DIODE	1	
D1001-11	MA716	DIODE	11	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC102	C0CBADD00003	IC	1	
IC103	C0CBBDB00004	IC	1	
IC104	C0CBAAB00021	IC	1	
IC105	XC62FP3202P	IC	1	
IC106	C0CBAAB00021	IC	1	
IC201	C0JBAA000174	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC202	C0JBAB000350	IC	1	
IC203	C0JBAA000174	IC	1	
IC300	ADM202JRN	IC	1	C0ZBZ0000171
IC301	C0JBAZ001137	IC	1	
IC304	C3ZBD0000004	IC	1	
IC400,01	C0JBAZ001647	IC	2	
IC402,03	SN75C1168NS	IC	2	
IC405	C0JBAZ001121	IC	1	
IC407	C0JBAZ001121	IC	1	
IC408	C1AB00001890	IC	1	
IC500	C0JBAZ001120	IC	1	
IC502	C0JBAZ000994	IC	1	
IC503	SN74LV04APW	IC	1	C0JBAB000247
IC504	C0JBAB000354	IC	1	
IC505	C0JBAB000350	IC	1	
IC506	C0JBAZ001121	IC	1	
IC600	C1ZBZ0001836	IC	1	
IC700	SN74LV04APW	IC	1	C0JBAB000247
IC701	TL7705CPSB	IC	1	C0EBS0000002
IC702	C0JBAA000174	IC	1	
IC703	C0EBE0000232	IC	1	
IC704	C0JBAA000174	IC	1	
IC705	C0JBAZ001120	IC	1	
IC706	C0JBAA000261	IC	1	
IC707	C0JBAZ001591	IC	1	
IC800	C1AB00000936	IC	1	
IC900	TC4W53FU	IC	1	
IC901	C0ABBB000032	IC	1	
IC902	C0ABBB000196	IC	1	
IC903	C0ABBB000032	IC	1	
IC904	C0BBBA000044	IC	1	
IC905	C0ABBB000196	IC	1	
IC906	C0ABBB000032	IC	1	
IC907	TC4W53FU	IC	1	
IC1000-02	C0ABFB000012	IC	3	
IC1100-03	C0JBAZ001121	IC	4	
IC1104	C0JBAZ001137	IC	1	
IC1105	C0JBAZ001121	IC	1	
IC1106	C0JBAA000174	IC	1	
IC1107	C0JBAZ001121	IC	1	
IC1200-03	C0JBAZ001121	IC	4	
IC1204	C0JBAZ000994	IC	1	
IC1205	SN74LV04APW	IC	1	C0JBAB000247
IC1206	C0JBAZ001647	IC	1	
IC1300	C0JBAZ001003	IC	1	
ID200	VVVSI4124	SOFTWARE	1	DOWNLOAD ONLY
ID700	VVVSI4122	SOFTWARE	1	DOWNLOAD ONLY
ID1300	VVVSI4117	SOFTWARE	1	DOWNLOAD ONLY
IP200	C2DBLK000001	IC	1	
IP700	C2DBLK000001	IC	1	
IP1300	C1ZBZ0001555	IC	1	
L100,01	VLF1151A132	COIL	2	
L200-02	VLQ0163J470	COIL 47UH	3	
L600	VLQ0163J470	COIL 47UH	1	
L700-02	VLQ0163J470	COIL 47UH	3	
L6001,02	VLQ0163J470	COIL 47UH	2	
P1,P2	K1KA96B00032	CONNECTOR (MALE)	2	
P200	VJS3791B020	CONNECTOR (FEMALE)	1	
P201	K1KA10A00303	CONNECTOR (MALE)	1	
P700	VJS3791B020	CONNECTOR (FEMALE)	1	
P701	K1KA10A00303	CONNECTOR (MALE)	1	
QR1100	UNR521300L	TRANSISTOR	1	
R100	EXBV8V102J	COMBI.R-R 1K	1	
R200	EXBV8V473J	COMBI.R-R 47K	1	
R201	D1H84704A008	COMBI.R-R 47	1	
R203	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R204	EXBV8V102J	COMBI.R-R 1K	1	
R205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R206,07	D1H84704A008	COMBI.R-R 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R209	D1H84704A008	COMBI.R-R 47	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	D0GZ103J0001	M.RESISTOR CH 10K	1	
R212	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R213	D0GZ103J0001	M.RESISTOR CH 10K	1	
R214	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R215	EXBV8V473J	COMBI.R-R 47K	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R217	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R218	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R219	D1H833040002	COMBI.R-R 33	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R223	D0GZ103J0001	M.RESISTOR CH 10K	1	
R224	D1H833040002	COMBI.R-R 33	1	
R228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R231,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R233-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R246-48	D0GZ103J0001	M.RESISTOR CH 10K	3	
R249-51	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R253-61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R264-68	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R275	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R276,77	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R280	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R281	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R282	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R283	EXBV8V102J	COMBI.R-R 1K	1	
R284	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R301,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R307	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R309	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R313,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R318,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R407	EXBV8V473J	COMBI.R-R 47K	1	
R408-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R412	EXBV8V473J	COMBI.R-R 47K	1	
R413,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R417,18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R422	EXBV8V473J	COMBI.R-R 47K	1	
R423	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R424	D1H84704A008	COMBI.R-R 47	1	
R425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R427	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	EXBV8V473J	COMBI.R-R 47K	1	
R437,38	EXBV8V102J	COMBI.R-R 1K	2	
R441	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R500	EXBV8V473J	COMBI.R-R 47K	1	
R502	D1H84704A008	COMBI.R-R 47	1	
R504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R506	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	EXBV8V473J	COMBI.R-R 47K	1	
R509-12	D1H84704A008	COMBI.R-R 47	4	
R518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R520,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R543	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R601,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R604,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R610	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R611	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R700	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R709	D0GZ103J0001	M.RESISTOR CH 10K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R715,16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R718	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R719	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R720	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R721	D1H833040002	COMBI.R-R 33	1	
R724,25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R726	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R728	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R729,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R731	EXBV8V102J	COMBI.R-R 1K	1	
R733	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R734-37	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R738	EXBV8V473J	COMBI.R-R 47K	1	
R740-42	D1H84704A008	COMBI.R-R 47	3	
R744	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R745	D0GZ103J0001	M.RESISTOR CH 10K	1	
R746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R747	D0GZ103J0001	M.RESISTOR CH 10K	1	
R748	D1H833040002	COMBI.R-R 33	1	
R749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R755-57	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R758	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R764-66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R767	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R768	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R769,70	D0GZ103J0001	M.RESISTOR CH 10K	2	
R800	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R803	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R804	EXBV8V473J	COMBI.R-R 47K	1	
R805	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R806-08	EXBV8V473J	COMBI.R-R 47K	3	
R809-11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R813	D1H8R0040001	COMBI.R-R 0	1	
R815	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R900	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R901	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R903,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R906	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R907	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R910,11	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R912	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R913,14	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R917,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R919	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R920	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R921,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R923-25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R926	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R927,28	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R929	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R930	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R931	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R932	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R933	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R934	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R935	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R938	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R940,41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R942,43	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R944	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R945	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R946	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R947,48	ERJ3RED390	M.RESISTOR CH 1/16W 39	2	
R949	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R950	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R951	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R954	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R956	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R957	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1001	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1002-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1006-10	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R1013	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1016	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1017	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1019	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1021	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1024	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1027	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1028	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1029	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1032	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1035	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1039	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1042	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1044	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1047	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1052	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1053	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1056	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1059	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1061-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R1067-70	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	4	
R1071	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1104,05	EXBV8V473J	COMBI.R-R 47K	2	
R1106-08	D1H84704A008	COMBI.R-R 47	3	
R1110,11	D0GZ220J0001	M.RESISTOR CH 22	2	
R1112,13	D1H84704A008	COMBI.R-R 47	2	
R1114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1115-18	EXBV8V473J	COMBI.R-R 47K	4	
R1119-21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R1123,24	D1H84704A008	COMBI.R-R 47	2	
R1126	EXBV8V473J	COMBI.R-R 47K	1	
R1128,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1200,01	EXBV8V473J	COMBI.R-R 47K	2	
R1202,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1204	EXBV8V473J	COMBI.R-R 47K	1	
R1205	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1206-08	D1H84704A008	COMBI.R-R 47	3	
R1209-12	EXBV8V473J	COMBI.R-R 47K	4	
R1213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1214	EXBV8V473J	COMBI.R-R 47K	1	
R1215	D1H8R0040001	COMBI.R-R 0	1	
R1217,18	D1H8R0040001	COMBI.R-R 0	2	
R1300	EXBV8V102J	COMBI.R-R 1K	1	
R1301	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1302	D0GZ103J0001	M.RESISTOR CH 10K	1	
R1303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW200	VSS0367-08B	SWITCH	1	
X200	H0J921400004	CRYSTAL OSCILLATOR	1	
X700	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E7	VEP82246E	F7 SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6,C7	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C8,C9	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C10,11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C12	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C13,14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C15,16	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C17	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C18	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C19	F1J0J475A006	C.CAPACITOR CH6.3V 4.7U	1	
C20,21	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C22-26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C27	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C32,33	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C60	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C61-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C69	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C70-73	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C74-77	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C150,51	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C152,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C154	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C155	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C156,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C158	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C160	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C163	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165,66	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C167-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C173	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C174	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C201	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C202,03	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C204-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C208,09	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C210-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C215	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C216	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C217,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C219,20	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C221-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C230,31	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C301-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C310,11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C312	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C351,52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C353	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C354,55	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C356-60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C361,62	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C401,02	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C403,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C405,06	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C407,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C409,10	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C411	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C412-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C415	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C416	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C417	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C418-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C425	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C426,27	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C428	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C429,30	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C431	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C432-34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C452	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C453	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C454,55	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C456,57	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C458-60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C461	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C502,03	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C504	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C505,06	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C507,08	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C509-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C512	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C513	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C514	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C515	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C517-19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C550,51	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C552-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C555	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C556	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C557	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C558,59	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C560	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C561	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C562	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C563	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C564	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C565	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C566	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C567	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C568	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C569	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C570	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C571	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C572	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C573	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C574	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C575	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C576,77	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C578,79	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C580,81	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C582	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C583	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C584	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C585	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C586,87	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C588,89	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C590,91	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C592,93	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C594,95	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C596,97	F1J1C474A091	C.CAPACITOR CH 16V 0.47U	2	
C598,99	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C600,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C602,03	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C604,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C606-09	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
C610-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C614,15	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C616,17	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C618-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C651-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C657,58	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C659	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C660	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C661	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C662	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C663-66	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C667	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C668	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C669-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C672	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C673	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C674,75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C676-78	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C679,80	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C681	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C699,00	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D7-D9	MA147	DIODE	3	
D201-03	MA147	DIODE	3	
D353,54	MA147	DIODE	2	
D355,56	MA142K	DIODE	2	
D401,02	MA142K	DIODE	2	
D403-06	MA704A	DIODE	4	
D407	MA147	DIODE	1	
D450,51	MA2J72800L	DIODE	2	
D452,53	MA2Q73600L	DIODE	2	
D500,01	MA2J72800L	DIODE	2	
D502,03	MA2Q73600L	DIODE	2	
D504	MA142K	DIODE	1	
D550,51	MA142K	DIODE	2	
D552-63	MA2Q73800L	DIODE	12	
D564,65	MA147	DIODE	2	
D605,06	MA2Q73800L	DIODE	2	
D609-12	MA2Q73800L	DIODE	4	
D651	MA142K	DIODE	1	
D652-55	MA142WK	DIODE	4	
D656	MA147	DIODE	1	
D657	MA142WK	DIODE	1	
D658	MA142WA	DIODE	1	
D659	MA8051-M	DIODE	1	
D660	MA8082-H	DIODE	1	
D661	MA142WK	DIODE	1	
D662	MA142K	DIODE	1	
D663	MAZ80330HL	DIODE	1	
D664	MA8039-H	DIODE	1	MAZ80390HL
D665	MA8075-H	DIODE	1	
D666	MA2Q73800L	DIODE	1	
D667	MA142K	DIODE	1	
D668-70	MA2Q73800L	DIODE	3	
D671,72	MA142WK	DIODE	2	
IC1	C0JBAZ000994	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	TC4052BF	IC	1	
IC5	C0ABBB000179	IC	1	
IC7	C0ABBB000179	IC	1	
IC8	TC4052BF	IC	1	
IC10	C0ABBB000179	IC	1	
IC61,62	C0ABBB000184	IC	2	
IC63,64	C0BBBA000044	IC	2	
IC103	C0JBAZ000994	IC	1	
IC151	C0ABBB000179	IC	1	
IC152	C0ABBB000184	IC	1	
IC153	C0BBBA000044	IC	1	
IC154	C0JBAZ000994	IC	1	
IC155	C0ABBB000179	IC	1	
IC156	C0BBBA000044	IC	1	
IC157	C0ABBB000184	IC	1	
IC158	C0ABBA000075	IC	1	
IC204	C0JBAB000397	IC	1	
IC206-08	C0JBAZ001121	IC	3	
IC301	C0JBAZ001121	IC	1	
IC302	C0JBAZ001003	IC	1	
IC354	M62370GP	IC	1	C0FBBD000082
IC355,56	C0ABBB000179	IC	2	
IC357	C0ABBA000075	IC	1	
IC401	C0ABBA000075	IC	1	
IC402,03	NJM78L09UA	IC	2	C0CBAHC00002
IC404	C0CBABD00005	IC	1	
IC405	C0CBADD00003	IC	1	
IC406,07	NJM79L09UA	IC	2	C0CABBF00001
IC408	C0CBBDB00004	IC	1	
IC501	C0BBBA000044	IC	1	
IC502	C0ABBB000184	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC503	TL1451CNS	IC	1	C0DBAMA00001
IC551	C0BBBA000044	IC	1	
IC552	C0ABBB000179	IC	1	
IC553,54	AN3834S	IC	2	
IC555	C0ABBB000179	IC	1	
IC600,01	AN3890FBS	IC	2	
IC650	C0JBAZ001120	IC	1	
IC651	C0JBAM000111	IC	1	
IC652	C0ABBA000075	IC	1	
IC653	C0JBAM000052	IC	1	
IC654	C0JBAZ001120	IC	1	
IC655,56	BA6238A	IC	2	C0GAK0000007
IC658	C0BBBA000044	IC	1	
IC659	C0JBAF000487	IC	1	
IC660-62	C0JBAM000111	IC	3	
ID201	VVVSI4126	SOFTWARE	1	DOWNLOAD ONLY
ID300	VVVSI3888	SOFTWARE	1	DOWNLOAD ONLY
IP201	MN1030F04KHF	IC	1	
IP300	EPM3256A1410	IC	1	
L401,02	VLF1151A132	COIL	2	
L451,52	VLQ0504331K	COIL 330UH	2	G0A331F00001
L453	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L500,01	VLQ0504331K	COIL 330UH	2	G0A331F00001
P202	VJS3791B020	CONNECTOR (FEMALE)	1	
P300	K1KA08B00147	CONNECTOR (FEMALE)	1	
P700,01	K1KA96B00032	CONNECTOR (MALE)	2	
Q1	2SD601A	TRANSISTOR	1	
Q2,Q3	2SB0709A0L	TRANSISTOR	2	
Q4	2SD601A	TRANSISTOR	1	
Q5	2SB0709A0L	TRANSISTOR	1	
Q6	2SD601A	TRANSISTOR	1	
Q401,02	2SD601A	TRANSISTOR	2	
Q450,51	2SB1073	TRANSISTOR	2	
Q500,01	2SB1174-Q	TRANSISTOR	2	2SB11740Q
Q551-56	2SD1624-S	TRANSISTOR	6	
Q600	PU3210	TRANSISTOR	1	PUA3210
Q601	PU3110	TRANSISTOR	1	PUA3110
Q604	PU3210	TRANSISTOR	1	PUA3210
Q605	PU3110	TRANSISTOR	1	PUA3110
Q650	2SD601A	TRANSISTOR	1	
Q651	2SB710A	TRANSISTOR	1	
Q652	2SB936A-Q	TRANSISTOR	1	
Q653,54	2SB766	TRANSISTOR	2	
Q655,56	2SB1073-R	TRANSISTOR	2	
QR1-R5	UNR521300L	TRANSISTOR	5	
QR6	UNR511300L	TRANSISTOR	1	
QR7	UN5215	TRANSISTOR-RESISTOR	1	
QR8	UNR511500L	TRANSISTOR	1	
QR500,01	UNR511100L	TRANSISTOR	2	
QR550-53	UN5215	TRANSISTOR-RESISTOR	4	
QR600	UNR521300L	TRANSISTOR	1	
QR601	UN5217	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR651	UNR521300L	TRANSISTOR	1	
QR654	UNR521300L	TRANSISTOR	1	
QR655,56	UNR521400L	TRANSISTOR-RESISTOR	2	
QR657	UNR521300L	TRANSISTOR	1	
QR658	UNR511300L	TRANSISTOR	1	
QR659-63	UNR521400L	TRANSISTOR-RESISTOR	5	
QR664	UNR511300L	TRANSISTOR	1	
QR665-68	UNR521400L	TRANSISTOR-RESISTOR	4	
QR669	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R7	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R9	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R10	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R12	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R20	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R21	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R22	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R23	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R24,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R26	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R27	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R31	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R32	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34-36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	3	
R37	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R38,39	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R40,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R43	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R44,45	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R46	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R59	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R60	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R61	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R62	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R63	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R64	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R65	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R66	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R67	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R68	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R69	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R70	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R71	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R72	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R73	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R74	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R75	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R76-79	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R80,81	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R82-85	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R86-89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R90-93	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R94-97	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R98	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R99	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R100,01	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R102,03	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R104	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R105	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R106-09	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R141	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R142	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R143	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R145	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R150	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R151	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R152	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R154,55	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R156	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R157	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R158	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R159	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R160,61	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R162,63	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R164,65	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R168,69	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R170	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R171	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R173	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R174,75	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R176,77	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R178,79	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R180,81	D0GB123JA002	M.RESISTOR CH 1/16W 12K	2	
R182,83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R184,85	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R186,87	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R188,89	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R190,91	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R192,93	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R194	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R195,96	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R197	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R198	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R201,02	D1H84704A008	COMBI.R-R 47	2	
R203	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R204	EXBV8V473J	COMBI.R-R 47K	1	
R206	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R207	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R209,10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R211	EXBV8V101J	COMBI.R-R 100	1	
R212	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R213	EXBV8V473J	COMBI.R-R 47K	1	
R214,15	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R219	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R222	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224-27	D1H84704A008	COMBI.R-R 47	4	
R228	EXBV8V473J	COMBI.R-R 47K	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R233-35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R236-40	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R241,42	D1H84704A008	COMBI.R-R 47	2	
R243	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R244	D1H84704A008	COMBI.R-R 47	1	
R245	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R246	D1H84704A008	COMBI.R-R 47	1	
R247,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R302	EXBV8V102J	COMBI.R-R 1K	1	
R303	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R305,06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	D1H84704A008	COMBI.R-R 47	2	
R311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R319	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R363	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364,65	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R366,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R368,69	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R370,71	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	2	
R372	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R373	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R374,75	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R376	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R377	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R378-80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R383	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R384	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R385	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R401,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R405,06	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R407	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R408-11	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R450,51	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R452,53	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R454,55	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R458	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R459	K5H2523A0001	FUSE	1	
R500,01	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R502,03	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R504,05	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R506	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R508	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R509	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R511	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R512	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R516	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R517	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R518	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R519,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R521	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R522	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R523	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R524,25	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R526,27	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	2	
R528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R529	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R530	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R531,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R535	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R551-53	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R554	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R555	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R556	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R560	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R561	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R562,63	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R564	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566,67	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R568	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R569	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R570	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R571	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R572,73	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R574,75	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R576	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R577	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R578	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R579	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R580-83	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R584,85	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R586,87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R588,89	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R590-95	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R600	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R601,02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R603	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R605,06	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R607,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R609,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R611,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R613-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	6	
R619	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R651-53	EXBV8V473J	COMBI.R-R 47K	3	
R654	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R655	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R656	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R657-60	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R662	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R663	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R664	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R666	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R667	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R668	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R669,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R671-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R676,77	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R678	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R679,80	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R681-83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R684	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R685	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R686	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R687	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R688	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R689,90	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R691,92	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R693	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R694	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R695	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R696	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R697	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R698	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R702	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R703	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R704,05	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R706	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R709	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R711,12	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R713,14	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
TG1,G2	EYF6CU	TEST POINT	2	
TG4	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP30,31	EYF6CU	TEST POINT	2	
TP80-83	EYF6CU	TEST POINT	4	
TP120-23	EYF6CU	TEST POINT	4	
TP160-63	EYF6CU	TEST POINT	4	
TP201	EYF6CU	TEST POINT	1	
TP230-35	EYF6CU	TEST POINT	6	
TP280-82	EYF6CU	TEST POINT	3	
TP300,01	EYF6CU	TEST POINT	2	
TP320	EYF6CU	TEST POINT	1	
TP651,52	EYF6CU	TEST POINT	2	
X201	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E8	VEP85207B	F8 RF EQ P.C.BOARD	1	(RTL)
C5002-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C5101,02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5104,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5108,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5110	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5111-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C5201-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C5301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5304,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5309,10	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C5311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5312-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C5316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5319	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C5320,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5331	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5334,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C5350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5356,57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5360,61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5363	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5364	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C5365	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5366	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C5367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5370,71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5701-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C5710-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5713	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5714	F1J1C474A091	C.CAPACITOR CH 16V 0.47U	1	
C5715-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5718	ECJ2YB0J225K	C.CAPACITOR CH6.3V 2.2U	1	
C5719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5720	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5723-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	18	
C5901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5904	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5905	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5906	ECUX1E681JCV	C.CAPACITOR CH 25V 680P	1	
C5907	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5908,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5914	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5915	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5916,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5918-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C5921-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5924	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5926,27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5928	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5929	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5930,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5932	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C5933	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5934	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5936	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5937,38	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5939	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C5940	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5941	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5943	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5944,45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5946	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C5947	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5948	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5950	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5951,52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5953	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C5954	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5955	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5957	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6304,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6309,10	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C6311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6312-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C6316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6319	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6320,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6331	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C6333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6334,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6356,57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6360,61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6363	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6364	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C6365	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6366	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C6367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6370,71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6701-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C6710-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6713	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6714	F1J1C474A091	C.CAPACITOR CH 16V 0.47U	1	
C6715-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6718	ECJ2YB0J225K	C.CAPACITOR CH6.3V 2.2U	1	
C6719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6720	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6723-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	18	
D5901	MA2P701A0L	DIODE	1	
IC5001	C0JBAZ001003	IC	1	
IC5002	SN74LV04APW	IC	1	C0JBAB000247
IC5003	C0JBAA000174	IC	1	
IC5004	C0JBAZ001003	IC	1	
IC5006	TC4W53FU	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC5007	C0HBZ0000036	IC	1	
IC5101	DS90LV048AC	IC	1	
IC5102,03	TLCX240FT	IC	2	
IC5104	DS90LV047AC	IC	1	
IC5105	TLCX240FT	IC	1	
IC5106	DS90LV047AC	IC	1	
IC5107	74LCX74MTCX	IC	1	C0JBAF000406
IC5108	DS90LV047AC	IC	1	
IC5109	74LCX574MTCX	IC	1	C0JBAF000448
IC5110	C0ABEB000023	IC	1	
IC5111	C0JBAZ001867	IC	1	
IC5201	M62370GP	IC	1	C0FBBD000082
IC5202-05	C0JBAS000075	IC	4	
IC5206-08	C0ABFB000012	IC	3	
IC5209	C0JBAZ001003	IC	1	
IC5301	MC1495D	IC	1	
IC5302	UPC1663G	IC	1	C1CB00000329
IC5304	UPC1663G	IC	1	C1CB00000329
IC5305	TC4W53FU	IC	1	
IC5306	UPC1663G	IC	1	C1CB00000329
IC5701	C0ABBB000158	IC	1	
IC5702	MN673798	IC	1	
IC5703	C0JBAZ001867	IC	1	
IC5704	C0ABEB000023	IC	1	
IC5901	TC4W53FU	IC	1	
IC5902	NJM1496V	IC	1	
IC5903	C0ABEB000023	IC	1	
IC5904	LM2940S-5.0	IC	1	C0CBADG00007
IC5905	LM2990S-5.0	IC	1	
IC5906,07	LT1086CM	IC	2	C0CBAYG00001
IC6301	MC1495D	IC	1	
IC6302	UPC1663G	IC	1	C1CB00000329
IC6304	UPC1663G	IC	1	C1CB00000329
IC6305	TC4W53FU	IC	1	
IC6306	UPC1663G	IC	1	C1CB00000329
IC6701	C0ABBB000158	IC	1	
IC6702	MN673798	IC	1	
IC6703	C0JBAZ001867	IC	1	
IC6704	C0ABEB000023	IC	1	
L5301	VLQ0163MR27	COIL 0.27UH	1	
L5302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5303,04	VLQ0163J101	COIL 100UH	2	
L5305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5309	G1C5R6J00001	COIL 5.6UH	1	
L5901	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5902	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5903	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5904	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5905-08	VLF1151A132	COIL	4	
L6301	VLQ0163MR27	COIL 0.27UH	1	
L6302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6303,04	VLQ0163J101	COIL 100UH	2	
L6305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6309	G1C5R6J00001	COIL 5.6UH	1	
P5901	K1KA96B00032	CONNECTOR (MALE)	1	
Q5101	2SC3930	TRANSISTOR	1	
Q5301	2SC3930	TRANSISTOR	1	
Q5302	2SD1979	TRANSISTOR	1	
Q5303	XN6537	TRANSISTOR-RESISTOR	1	
Q5304	2SD1979	TRANSISTOR	1	
Q5305	2SC3930	TRANSISTOR	1	
Q5306	XP6534	TRANSISTOR-RESISTOR	1	
Q5307,08	2SD1979	TRANSISTOR	2	
Q5309	XP6534	TRANSISTOR-RESISTOR	1	
Q5310,11	2SK508K512	TRANSISTOR	2	
Q5312	2SC3930	TRANSISTOR	1	
Q5313	XP6534	TRANSISTOR-RESISTOR	1	
Q5318	2SC3930	TRANSISTOR	1	
Q5319	XP6534	TRANSISTOR-RESISTOR	1	
Q5320,21	2SC3930	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q5323	2SC3930	TRANSISTOR	1	
Q5701	XP0650100L	TRANSISTOR	1	
Q5901	2SC3930	TRANSISTOR	1	
Q5902	XP6534	TRANSISTOR-RESISTOR	1	
Q5909-11	2SC3930	TRANSISTOR	3	
Q6301	2SC3930	TRANSISTOR	1	
Q6302	2SD1979	TRANSISTOR	1	
Q6303	XN6537	TRANSISTOR-RESISTOR	1	
Q6304	2SD1979	TRANSISTOR	1	
Q6305	2SC3930	TRANSISTOR	1	
Q6306	XP6534	TRANSISTOR-RESISTOR	1	
Q6307,08	2SD1979	TRANSISTOR	2	
Q6309	XP6534	TRANSISTOR-RESISTOR	1	
Q6310,11	2SK508K512	TRANSISTOR	2	
Q6312	2SC3930	TRANSISTOR	1	
Q6313	XP6534	TRANSISTOR-RESISTOR	1	
Q6318	2SC3930	TRANSISTOR	1	
Q6319	XP6534	TRANSISTOR-RESISTOR	1	
Q6320,21	2SC3930	TRANSISTOR	2	
Q6323	2SC3930	TRANSISTOR	1	
Q6701	XP0650100L	TRANSISTOR	1	
R5001	EXBV8V473J	COMBI.R-R 47K	1	
R5002,03	EXBV8V101J	COMBI.R-R 100	2	
R5004	EXBV8V473J	COMBI.R-R 47K	1	
R5009,10	EXBV8V101J	COMBI.R-R 100	2	
R5011-13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5014,15	EXBV8V473J	COMBI.R-R 47K	2	
R5017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5020	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	EXBV8V473J	COMBI.R-R 47K	1	
R5024	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	D0GZ220J0001	M.RESISTOR CH 22	1	
R5027	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5028	EXBV8V473J	COMBI.R-R 47K	1	
R5029	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5031	D0GZ220J0001	M.RESISTOR CH 22	1	
R5032	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5104	D0GZ220J0001	M.RESISTOR CH 22	1	
R5105	EXBV8V102J	COMBI.R-R 1K	1	
R5106	D0GZ220J0001	M.RESISTOR CH 22	1	
R5108,09	EXBV8V102J	COMBI.R-R 1K	2	
R5110	D0GZ220J0001	M.RESISTOR CH 22	1	
R5111	EXBV8V102J	COMBI.R-R 1K	1	
R5112	D0GZ220J0001	M.RESISTOR CH 22	1	
R5114-16	EXBV8V102J	COMBI.R-R 1K	3	
R5117	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5121,22	EXBV8V102J	COMBI.R-R 1K	2	
R5123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5124	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5125	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5126	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5129	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R5130	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5131	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R5132	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5133	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5134	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5135	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5136,37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5138	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5139	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5142	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	EXBV8V473J	COMBI.R-R 47K	1	
R5202	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5203	D0GZ220J0001	M.RESISTOR CH 22	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5206,07	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5208	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5210,11	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5212	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5213	EXBV8V101J	COMBI.R-R 100	1	
R5214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5215	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R5216,17	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5218	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5220,21	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5223,24	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5226	EXBV8V101J	COMBI.R-R 100	1	
R5227,28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5229	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5231,32	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5234	EXBV8V101J	COMBI.R-R 100	1	
R5235,36	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5237	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5239	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5241	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5301	D1H84704A008	COMBI.R-R 47	1	
R5302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5307	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R5308	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R5309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5401	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5402-04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R5405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5409	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5724	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R5725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5726	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R5727	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5845	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5901	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5902	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5903	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5904,05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5906	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R5907	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5908	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5909	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5910	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5912	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5915,16	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R5921	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5922	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5923	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5924	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5925-28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5929	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5930-33	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R5934	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5935	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R5936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R5938	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5939	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5940	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5941	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5942	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5943	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5944	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R5945	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5946	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R5947	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5948	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5949	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5950	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6301	D1H84704A008	COMBI.R-R 47	1	
R6302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R6303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6307	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6308	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R6309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R6317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6402-04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R6405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6409	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R6410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6724	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R6725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6726	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R6729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6747	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6748	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6845	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG5101,02	EYF6CU	TEST POINT	2	
TP5101-03	EYF6CU	TEST POINT	3	
TP5301	EYF6CU	TEST POINT	1	
TP5701,02	EYF6CU	TEST POINT	2	
TP5901	EYF6CU	TEST POINT	1	
TP6301	EYF6CU	TEST POINT	1	
TP6701,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	VSC4609	SHIELD CASE	2	
	VWZ0212	THERMAL CONDUCTIVE TUBE	2	
	XYN3+K6	SCREW	4	
	VMP6464	HEAT SINK HOLDER ANGLE A	2	
■ E9	VEP85217A	RF CUE P.C.BOARD	1	(RTL)
C4002	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4004	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4006-09	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	4	
C4010,11	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4012	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C4013	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4014	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4015,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4018	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4020	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4021,22	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4024	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4025	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4028	VCC0030	C.CAPACITOR	1	
C4030,31	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4034-36	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4037,38	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4039	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4040	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4041	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4042	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4043	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4044	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4047,48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4049	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4050	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C4051,52	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4053	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4055	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5001-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C5011-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5015	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5016-18	F1L1A4760003	C.CAPACITOR CH 16V 47U	3	
C5101	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5102	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5103	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5104	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5105	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5106,07	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5108	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5109	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C5110	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5111	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5112	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5113,14	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5201-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C5212,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5216	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5218	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5220	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5222	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5224	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5225,26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5605-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5609,10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5611,12	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5613	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5614-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C5639-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5643,44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5645,46	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5647	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5648-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C5901	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5902	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5903,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5905	F1K1C475A043	C.CAPACITOR CH 16V 4.7U	1	
C5906	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5907-09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5910	F1K1C475A043	C.CAPACITOR CH 16V 4.7U	1	
C5911	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5912	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5913	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5917	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5918	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5919-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5922	F1K1C475A043	C.CAPACITOR CH 16V 4.7U	1	
C5923	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5924	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5925	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5926,27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5928	F1K1C475A043	C.CAPACITOR CH 16V 4.7U	1	
D4001	MA142K	DIODE	1	
D4003	MA716	DIODE	1	
D4004,05	MA142K	DIODE	2	
D5001	MA142K	DIODE	1	
D5002	MA3J14300L	DIODE	1	
D5201-04	MA142WK	DIODE	4	
D5602	MA142WK	DIODE	1	
D5901	MA716	DIODE	1	
FL4001	G2A193C00001	COIL	1	
IC4001,02	C0ABBB000184	IC	2	
IC4003	NJM78L09UA	IC	1	C0CBAHC00002
IC4005	C0CBADD00003	IC	1	
IC4006	C0CBBDB00004	IC	1	
IC4007	NJM78L09UA	IC	1	C0CBAHC00002
IC5001	C0JBAZ001437	IC	1	
IC5002	C0JBAB000541	IC	1	
IC5003	TC4S30F	IC	1	C0JBAZ000429
IC5004,05	C0JBAA000175	IC	2	
IC5006	TC4S30F	IC	1	C0JBAZ000429
IC5201-04	TC4S30F	IC	4	C0JBAZ000429
IC5205	LT1175CS8	IC	1	
IC5603	UPC5102GS030	IC	1	C1ZBZ0001316
IC5607	UPC5102GS030	IC	1	C1ZBZ0001316
IC5901	C0CBADD00003	IC	1	
IC5903	C0CBBDB00004	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L4001	VLQ0423J472	COIL 4700UH	1	
L4004	VLQ0651K181	COIL 180UH	1	G1C181KA0013
L4005	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L5101-04	VLQ0163J2R2	COIL 2.2UH	4	G1C2R2J00009
L5201,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5901-07	VLF1151A132	COIL	7	
P4001	VJP2278	CONNECTOR (MALE)	1	K1KA09A00087
P5901	VJS3375B080	CONNECTOR (FEMALE)	1	K1KB80B00010
P5902	VJS3900C010	CONNECTOR (FEMALE)	1	K1MN10A00034
P5903	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
Q4001	2SB779-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4005	2SB792-R	TRANSISTOR	1	
Q4006,07	2SD1149-R	TRANSISTOR	2	
Q4008,09	2SD1979	TRANSISTOR	2	
Q4010	2SB779-R	TRANSISTOR	1	
Q4011	2SD874-R	TRANSISTOR	1	
Q5001	2SB1218A0L	TRANSISTOR	1	
Q5002	2SD1819A-R	TRANSISTOR	1	
Q5101	2SB0709A0L	TRANSISTOR	1	
Q5102,03	2SC3735B35	TRANSISTOR	2	
Q5104	2SB0709A0L	TRANSISTOR	1	
Q5105,06	2SC3735B35	TRANSISTOR	2	
Q5201-04	XP0150400L	TRANSISTOR	4	
Q5207,08	2SD1979	TRANSISTOR	2	
Q5209-11	2SC3935	TRANSISTOR	3	
Q5212,13	2SC4536	TRANSISTOR	2	
Q5214	2SC3935	TRANSISTOR	1	
Q5215	2SA153200L	TRANSISTOR	1	
Q5216,17	2SC4536	TRANSISTOR	2	
Q5601,02	XP6534	TRANSISTOR-RESISTOR	2	
Q5605	XP4506	TRANSISTOR-RESISTOR	1	
Q5606,07	XP6534	TRANSISTOR-RESISTOR	2	
QR4001	UNR511300L	TRANSISTOR	1	
QR4003	UNR521300L	TRANSISTOR	1	
QR4005	UNR521300L	TRANSISTOR	1	
QR4006	UN5215	TRANSISTOR-RESISTOR	1	
QR4007,08	UNR511300L	TRANSISTOR	2	
QR4009,10	UNR521300L	TRANSISTOR	2	
QR5001,02	UNR511100L	TRANSISTOR	2	
QR5004	UNR521100L	TRANSISTOR	1	
QR5101,02	UNR521100L	TRANSISTOR	2	
QR5201-03	UNR511100L	TRANSISTOR	3	
R4001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4002	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4003	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4005	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4006	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4007	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4009	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4013	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4014	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4020	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4022	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4025	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4026	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4027	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4028	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4029	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4030	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R4032	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4033	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4034	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4035	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4036	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4037	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4038	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4039	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4040	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4041	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4043,44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4045	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4046	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4047,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4049	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4054	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5003	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5004	EXBV8V473J	COMBI.R-R 47K	1	
R5006	EXBV8V101J	COMBI.R-R 100	1	
R5008	EXBV8V473J	COMBI.R-R 47K	1	
R5009,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5011-13	EXBV8V101J	COMBI.R-R 100	3	
R5019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5020	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5101	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5102	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5104	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5106	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5108	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5109	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R5110	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5111	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5112	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5113	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5115	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5116	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5118	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5120	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5121	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R5122	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5123	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5124	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5202,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5204-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5208,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5217,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5219,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5230	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5232	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R5233	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5236-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5239,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5241,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5245,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5247	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5248	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5249,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5251	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5252	ERJ12YJ560	M.RESISTOR CH 1/2W 56	1	
R5253-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5257	ERJ12YJ560	M.RESISTOR CH 1/2W 56	1	
R5602	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5603,04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5605,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5607,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5609	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5610,11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5612	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5613,14	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5615,16	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5632	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5633,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5635,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5637,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5639,40	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5641	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5642,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5644	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5645,46	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5647,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
RY4001	VSY2176	RELAY	1	K6B2CDA00045
RY5001	VSY2176	RELAY	1	K6B2CDA00045
T4001	VLT0729	TRANSFORMER	1	G4ZZ00000358
T4003	VLT0729	TRANSFORMER	1	G4ZZ00000358
TG4001	EYF6CU	TEST POINT	1	
TG5901	EYF6CU	TEST POINT	1	
TP4001,02	EYF6CU	TEST POINT	2	
TP4005,06	EYF6CU	TEST POINT	2	
VR4001	EVMEGSA00B15	V.RESISTOR 100K	1	
		MISCELLANEOUS		
	VMP5846	RF HOLDER ANGLE	1	
	VYQ1745	SHIELD CASE (UPPER) ASS'Y	1	
	VSC4933	SHILD HOLDER ANGLE	1	
	VSC4934	SHIELD ANGLE	1	
	VSC4928	EARTH FINGER	1	
	XSN26+3	SCREW	1	
	VSC4386	RF SHIELD CASE (MIDDLE)	1	
	XTV3+6FFR	SCREW	2	
	VSC4437	RF SHIELD CASE (LOWER)	1	
	VMZ3241	RF BARRIER	1	
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
C1,C2	ECA1CHG682	E.CAPACITOR 16V 6800U	2	
D1	21DQ04	DIODE	1	B0JAME000021
L1,L2	VLP0017	COIL	2	J0JHB0000010
P1-15	K1KB96A00048	CONNECTOR (FEMALE)	15	
P16	VJP3375A080	CONNECTOR (MALE)	1	K1KA80A00054
P17	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
P18,19	K1KA08A00283	CONNECTOR (MALE)	2	
P20	K1KB30B00028	CONNECTOR (FEMALE)	1	
P21	VJP3510	CONNECTOR (MALE)	1	K1KAC8B00004
		MISCELLANEOUS		
	VKC0392	SPACER	1	
	VMP6815	JACK PB GUIDE ANGLE (B)	1	
	VMP6817	MOTHER ANGLE (B)	1	
	VMP6816	MOTHER ANGLE (A)	1	
	VMP6824	MOTHER ANGLE (C)	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	XYE3+EF8FZ	SCREW	8	
	XTV3+6F	SCREW	2	
	VMX2541	P.C.BOARD SPACER	1	
	XYN26+C12	SCREW	4	
	XNG26EFXS	NUT	4	
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
C1,C2	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C4	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C6	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C9,10	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C11,12	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C14,15	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C16	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C151-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C160-63	EEVHB1C470P	E.CAPACITOR 16V 47U	4	
C164,65	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
D1	MA147	DIODE	1	
D153,54	MA716	DIODE	2	
IC1,C2	0P177GS	IC	2	
IC3	C0ABBB000124	IC	1	
IC4-C6	NJM4558M	IC	3	C0ABBB000044
IC151	NJM78L09UA	IC	1	C0CBAHC00002
IC152	NJM79L09UA	IC	1	C0CABBF00001
IC153-55	C0JBAZ000608	IC	3	
IC156,57	C0JBAQ000080	IC	2	
L151,52	VLF1151A132	COIL	2	
P11	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P12	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P13	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P14	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P15	K1KA02B00075	CONNECTOR (MALE)	1	
P16	K1KA03B00102	CONNECTOR (MALE)	1	
P17	VJS3801D015	CONNECTOR (FEMALE)	1	
P18	K1KA02B00075	CONNECTOR (MALE)	1	
P19	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P20	K1KA03B00102	CONNECTOR (MALE)	1	
P21	K1KA02B00075	CONNECTOR (MALE)	1	
P22	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P24	K1KA02B00075	CONNECTOR (MALE)	1	
P25	K1KA03A00017	CONNECTOR (MALE)	1	
P26	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P30	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P32	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P33	K1MN15B00033	CONNECTOR	1	
P34,35	VJS2889A017	CONNECTOR (FEMALE)	2	K1MN17A00008
P36	K1MN19B00007	CONNECTOR	1	
P48	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P151	VJS2899A096	CONNECTOR (FEMALE)	1	K1KB96A00035
Q1	2SB1218A-R	TRANSISTOR	1	
Q101-08	B1DZED000002	TRANSISTOR	8	
QR101-12	UNR521300L	TRANSISTOR	12	
R1,R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R7,R8	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R9	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R10	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R11	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R12	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R13	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R14	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R15	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R16	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R17	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R18	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R19	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R20	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R21	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R22	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R24	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R25	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R27	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R101-04	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R105-07	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R108,09	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R110	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R111,12	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R113-16	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R151-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	14	
R165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R166,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R168,69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R201,02	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
VR1	EVMECSA00B24	V.RESISTOR 20K	1	
VR2	EVMECSA00B54	V.RESISTOR 50K	1	
VR201,02	EVMECSA00B24	V.RESISTOR 20K	2	
■ E12	VEP82247A	MECHA IF2 P.C.BOARD	1	(RTL)
P1001,02	VJP3454B096	CONNECTOR (MALE)	2	K1KA96B00021
		MISCELLANEOUS		
	VMP6808	CONNECTION PB ANGLE	1	
	XTV3+6F	SCREW	2	
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
C1002,03	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C1004	ECHU1H471GB	P.CAPACITOR 50V 470P	1	
C1005	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1006	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1007	ECQE6473KF	P.CAPACITOR 630V 0.047U	1	
C1008	VCK0106K221	C.CAPACITOR 220P	1	
C1009	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1010	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C1011	ECA1VXL470	E.CAPACITOR 35V 47U	1	
C1012	ECA1HXL330	E.CAPACITOR 50V 33P	1	
C1015	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1017	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1101	ECA1HXL100	E.CAPACITOR 50V 10U	1	
⚠ C1107	ECQU2A474ML	P.CAPACITOR 100V 0.47U	1	
⚠ C1109	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1110,11	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C1114	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1116	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C1117	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1119	ECQV1H684JF	P.CAPACITOR 50V 0.68U	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ C1120	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1122	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1123	ECQE2W225KC	P.CAPACITOR 450V 2.2U	1	
C1124	EEUFC1H121L	E.CAPACITOR 50V 120U	1	
C1125	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1126	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C1127	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1128	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
C1129	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1130,31	VCK0106K471	C.CAPACITOR 470P	2	
C1132	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1133,34	VCK0106K471	C.CAPACITOR 470P	2	
C1135	ECEC2WC151CB	E.CAPACITOR 450V 150P	1	
C1138	ECA1HXL220	E.CAPACITOR 50V 22U	1	
⚠ C1139	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1140	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1201-10	ECQE6473KF	C.CAPACITOR 1000P	10	
C1211-14	EEUFC1A682	E.CAPACITOR 10V 6800U	4	
C1215	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1217	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1218	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1219,20	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2	
C1221	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1222	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1223	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1224-26	ECA1CXL101	E.CAPACITOR 16V 100U	3	
C1227,28	ECA1EXL101	E.CAPACITOR 25V 100U	2	
C1229,30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1231	ECA1CXL101	E.CAPACITOR 16V 100U	1	
C1232	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1233	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1234	ECA1HXL100	E.CAPACITOR 50V 10U	1	
C1235	ECA1HXL2R2	E.CAPACITOR 50V 2.2U	1	
C1236,37	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1239	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1240,41	ECQE6473KF	C.CAPACITOR 1000P	2	
C1242	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1243	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1244	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
D1001	MA142WA	DIODE	1	
D1002	MA142K	DIODE	1	
D1003	MA3240-H	DIODE	1	
D1005	EG01C	DIODE	1	B0HAGV000001
D1006	MA3051-M	DIODE	1	MAZ30510ML
D1007	SFPL-52	DIODE	1	
D1008	MA3200-M	DIODE	1	
D1009,10	SFPL-52	DIODE	2	
D1013	SFPL-52	DIODE	1	
D1101,02	MA3200-M	DIODE	2	
D1103	MA3068-M	DIODE	1	
D1104	MA142K	DIODE	1	
D1105,06	B0AAMT000002	DIODE	2	
D1107	MA142K	DIODE	1	
D1108	MA1070400L	DIODE	1	
D1109	RBV606	DIODE	1	
D1110	MA2P701A0L	DIODE	1	
D1111,12	MA3200-M	DIODE	2	
D1113-15	SFPL-52	DIODE	3	
D1116	MA3068-M	DIODE	1	
D1117	MA142K	DIODE	1	
D1118	FML-G26S	DIODE	1	
D1119,20	B0AAMT000002	DIODE	2	
D1201	D5S9M	DIODE	1	B0JARK000009
D1202,03	FML-G12SP	DIODE	2	
D1204	D20LC20U	DIODE	1	B0HBSM000021
D1205	FML-G12SP	DIODE	1	
D1206	MA142WA	DIODE	1	
D1207	FML-G12SP	DIODE	1	
D1208	MA142K	DIODE	1	
D1209	MA3160-L	DIODE	1	
D1210	MA142K	DIODE	1	
D1211	MA3100-M	DIODE	1	
D1212	MA3051-M	DIODE	1	MAZ30510ML
D1213	MA3240-H	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D1214	MA3160-L	DIODE	1	
D1215	MA3100-M	DIODE	1	
D1216	MA142K	DIODE	1	
D1218	MA142K	DIODE	1	
D1219	MA3027-H	DIODE	1	
D1221	MA3027-H	DIODE	1	
D1222-24	MA142K	DIODE	3	
IC1001	FA5311BP	IC	1	C0DAAZZ00002
IC1101	MC33262P	IC	1	C0DAZZZ00013
IC1102	M51945BL	IC	1	C0EAB0000004
IC1103	M51951BL	IC	1	C0EAH0000030
IC1201	UPC1944J	IC	1	C0DAZLB00001
IC1202	C0DAEZH00010	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1204	C0BBBA000019	IC	1	
IC1205	PQ30RV31	IC	1	
L1001	VLP0074	COIL	1	J0JDB0000002
⚠ L1102,03	ELF21N020A	FILTER	2	
L1104	VLQ0820	COIL	1	
L1201	VLQ0655K220	COIL 22UH	1	
L1202	VLQ0826M4R7	COIL 4.7UH	1	
L1203	VLQ0826M100	COIL 10UH	1	
L1204,05	VLQ0826K220	COIL 22UH	2	
L1206	VLQ0655K220	COIL 22UH	1	
P1103	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
P1201,02	K1KB08A00077	CONNECTOR (FEMALE)	2	
Q1001	B1DEFV000001	TRANSISTOR	1	
⚠ Q1002-04	B3QAZ0000030	PHOTO COUPLER	3	
Q1101	2SJ278	TRANSISTOR	1	
Q1102	TM1661S-L	DIODE	1	
Q1103	B1DEGR000013	TRANSISTOR	1	
Q1201	XN4501	TRANSISTOR-RESISTOR	1	
Q1202	XN0440100L	TRANSISTOR	1	
Q1203	XN4501	TRANSISTOR-RESISTOR	1	
QR1001	UNR221300L	TRANSISTOR	1	
QR1002	UN2111	TRANSISTOR-RESISTOR	1	
QR1101	UNR211200L	TRANSISTOR	1	
QR1102	UN2215	TRANSISTOR-RESISTOR	1	
QR1103	UN2113	TRANSISTOR-RESISTOR	1	
QR1104,05	UNR221300L	TRANSISTOR	2	
QR1201	UN2211	TRANSISTOR-RESISTOR	1	
QR1202	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1203	UN2111	TRANSISTOR-RESISTOR	1	
QR1204	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1205	UN2111	TRANSISTOR-RESISTOR	1	
QR1206,07	UNR221300L	TRANSISTOR	2	
R1002	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
⚠ R1003	VRT0142	THERMISTOR	1	D4DDB3310005
R1004	ERW1PKR33	W.RESISTOR 1W 0.33	1	
R1005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1006	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1007	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R1008,09	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1010	ERG2SJ180	M.RESISTOR 2W 18	1	
R1011	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1012	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1014	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1015	ERJ12YJ220	M.RESISTOR CH 1/2W 22	1	
R1016,17	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1018	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R1019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1020	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1021	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1022	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R1101,02	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1103	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1104	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R1105	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1107	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R1108	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1109	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R1110	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R1112-14	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	
R1115,16	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1117,18	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	
R1119	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1121,22	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1123,24	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	2	
⚠ R1125	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1127-30	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	4	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1132	ERG2SJ221	M.RESISTOR 2W 220	1	
R1133	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1134	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1135	ERJ12YJ100	M.RESISTOR CH 1/2W 10	1	
R1136	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1137	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1139	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1140	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1141	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1142,43	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1144	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	1	
R1145	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1146	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1147	ERG2SJ220	M.RESISTOR 2W 22	1	
R1148	ERF2TKR15	W.RESISTOR 2W 0.15	1	
R1150-52	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1153	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1154	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1155	ERG2SJ220	M.RESISTOR 2W 22	1	
R1161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1165	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1167-69	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1201	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	D0GD121JA003
R1202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1204-08	ERG2SJ220	M.RESISTOR 2W 22	5	
R1209	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1210,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1212	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1213	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R1214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1215	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1218,19	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1221	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1223	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R1224	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
⚠ R1227	VRT0033	THERMISTOR	1	D4DDB3310004
R1228,29	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1230	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1232	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1233	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1235	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1237-39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1240	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1241	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1245	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1247	ERG2SJ470	M.RESISTOR 2W 47	1	
R1248	ERG2SJ221	M.RESISTOR 2W 220	1	
R1249	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1250,51	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1252	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1253	ERG2SJ220	M.RESISTOR 2W 22	1	
R1254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R1255	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ T1001	ETS42AE326AD	TRANSFORMER	1	
VR1102	EVMEASA00B52	V.RESISTOR 500	1	
VR1201	EVMEASA00B13	V.RESISTOR 1K	1	
		MISCELLANEOUS		
	VJR1008	EARTH LUG	4	
⚠	VMZ1608	CAPACITOR TUBE	3	
	VSC5221	HEAT SINK (A)	1	
	VSC5433	HEAT SINK (B)	1	
	VLP0336	FERRITE CORE	4	
	VLP0394	FERRITE BEAD	3	J0KE00000032
	VMZ2919	BARRIER	1	
	XYN3+F6FZS	SCREW	6	
	XYN3+F8FZS	SCREW	8	
	XYN3+F10	SCREW	4	
	VJF1348	CLAMPER	1	
	VSC4780	HEAT SINK (D)	1	
	VMZ3305	POWER COMMUTATION SHEET	1	
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
⚠ C1502	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ C1503	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1504	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ L1501	ELF19N020A	FILTER	1	
⚠ P1501	VJS2985	CONNECTOR (FEMALE)	1	K2AH3H000012
P1502	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
⚠ R1506	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
		MISCELLANEOUS		
⚠	VMZ1608	CAPACITOR TUBE	2	
	EYF52BC	FUSE HOLDER	2	
⚠	VSF0106C31H	FUSE	1	
	VJR1008	EARTH LUG	2	
	VEE9627	FG CABLE	1	
⚠	VMP6812	AC IN HOLDER ANGLE	1	
	XSN3+6FZ	SCREW	2	
	XYN3+F8	SCREW	2	
	XYN4+E6VW	SCREW	1	
⚠	VMZ0429	FUSE COVER	1	
■ E15	VEP80C40C	AV JACK P.C.BOARD	1	(RTL)
C100	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C101	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C102,03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C104	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C105-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C108	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C109,10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C111	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C200	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C201	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C202	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C203	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C204,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C206,07	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C300,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C304,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C308,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C400,01	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C402	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C404	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C406-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C410,11	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C412	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C414	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C416	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C418	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C420	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C422	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C424	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501-16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	16	
C517	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C518-24	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	7	
C526-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C601-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
D100	MA716	DIODE	1	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC200	C0CBBDB00004	IC	1	
IC201	C0CBADD00003	IC	1	
IC400	C0CBADD00003	IC	1	
IC401	C0CBBDB00004	IC	1	
IC402	C0JBAB000243	IC	1	
IC404	NJM360M	IC	1	C0BBZB000001
IC500	C0JBAQ000168	IC	1	
IC501	SN74S1051NS	IC	1	
IC502	C0JBAB000542	IC	1	
IC503	C0JBAQ000168	IC	1	
IC504,05	C0JBAZ001935	IC	2	
IC601	C0JBAN000168	IC	1	
IC602	C0JBAZ001936	IC	1	
IC603	C0JBAN000168	IC	1	
J200-03	VJS3902	CONNECTOR (FEMALE)	4	K1CB204H0002
J300,01	K1AB103A0007	CONNECTOR (MALE)	2	
J304,05	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J308,09	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J310	K1AB103A0007	CONNECTOR (MALE)	1	
J311	VJP3417	CONNECTOR (MALE)	1	K1AA103A0003
J400	K1QBB2AA0006	CONNECTOR	1	
L100,01	VLF1151A132	COIL	2	
L312,13	VLP0145	COIL	2	
L317	VLP0145	COIL	1	
L319	VLP0145	COIL	1	
L321	VLP0145	COIL	1	
L323	VLP0145	COIL	1	
L332-35	VLP0145	COIL	4	
L340-43	VLP0145	COIL	4	
L346,47	VLP0145	COIL	2	
L400	VLQ0319K470	COIL 47UH	1	G1C470K00013
L402	VLQ0426J120	COIL 12UH	1	G1C120J00005
P100	VJS3510	CONNECTOR (FEMALE)	1	K1KBC8A00003
P101	VJP3414A015	CONNECTOR (MALE)	1	K1FB115A0008
P102,03	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
P104	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P105	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P200	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P500	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P600	K1FA108A0003	CONNECTOR (MALE)	1	
Q200,01	2SC2295	TRANSISTOR	2	
Q400	2SC3930	TRANSISTOR	1	
Q402	2SC3930	TRANSISTOR	1	
Q403	2SA153200L	TRANSISTOR	1	
Q406	2SC3930	TRANSISTOR	1	
Q407	2SA153200L	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q500-05	XN1214	TRANSISTOR-RESISTOR	6	
R200-02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	D0YDR0000005
R203-05	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	3	
R206	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R207	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R208	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R212-17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	D0YDR0000005
R218	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R400	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R408	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R410	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	
R412	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R414	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R416,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R420	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R421,22	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R426	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R428	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R430	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	ERQ12HJ2R7	F.RESISTOR 1/2W 2.7	1	
R501-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	24	D0GB103JA002
R525-28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R529,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R600-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R604-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R609-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
SW200,01	VSS0307	SWITCH	2	K0D122A00105
SW600	VSS023706	SWITCH	1	K0D612A00005
		MISCELLANEOUS		
	VMP4866	D SUB ANGLE	1	
	VXQ0102	SCREW	10	K1YE50000008
	XYN26+F8	SCREW	2	
	VMP6814	JACK PB GUIDE ANGLE (A)	1	
	XSN26+8FZ	SCREW	2	
	XNG26EFXS	NUT	2	
■ E16	VEP86337C	FRONT P.C.BOARD	1	(RTL)
C100,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C102	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C103	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C105-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C108	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C109-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C125	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C200-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C300-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C400	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	1	
C401	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C402	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C403	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C404	EEUFC1A122	E.CAPACITOR 10V 1200U	1	
C405	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C406,07	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C409	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C410	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C412	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C413	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C415	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C416	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C417,18	ECJ2VC1H102J	C.CAPACITOR CH 50V 1000P	2	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C502	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C506	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C507	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C508	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C515	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C516	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C517,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C519	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C520	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C521,22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C525,26	F1H1H122A219	C.CAPACITOR CH 50V 1200P	2	
C527	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D300	LNW4A8YY4	DIODE	1	
D301-03	LN38GCPP	LED	3	
D306	LNW4A8YY4	DIODE	1	
D400	MAZ33300ML	DIODE	1	
D401	U1GU44	DIODE	1	
D402	MA3062M	DIODE	1	
D403	MA152A	DIODE	1	
D404	MA3150-M	DIODE	1	
D405	MAZ30270HL	DIODE	1	
D500-05	MA716	DIODE	6	
D506	MA142WA	DIODE	1	
DP400	A2BZ00000033	LCD	1	
FL500,01	J0HAAC000013	FILTER	2	
IC100	C0JBAZ000994	IC	1	
IC101	C0JBAB000541	IC	1	
IC102	C0JBAZ001121	IC	1	
IC103	UPC339G2	IC	1	
IC115	C0JBAZ001003	IC	1	
IC200-06	C0JBAZ001935	IC	7	
IC300-04	C0JBAQ000168	IC	5	
IC400	UPD16310GF	IC	1	
IC401	C0JBAM000052	IC	1	
IC403	C0JBAM000052	IC	1	
IC500	C0CBADC00063	IC	1	
IC502	XC62FP3202P	IC	1	
IC503,04	C0ABBA000071	IC	2	
IC505	NJM78L09UA	IC	1	C0CBAHC00002
IC506	NJM79L09UA	IC	1	C0CABBF00001
IC507	NJM4556AM	IC	1	C0ABBB000042
IC508	C0ABBA000071	IC	1	
J500	VJJ0571	JACK	1	
L100-02	VLF1151A132	COIL	3	
L103	VLP0133	COIL	1	
L400	VLQ0655K220	COIL 22UH	1	
L500,01	VLP0146	COIL	2	
P100	K1KA30C00003	CONNECTOR (MALE)	1	
P101	VJP1246T	CONNECTOR (MALE) 6P	1	
P300	K1KB07A00019	CONNECTOR (FEMALE)	1	
Q400,01	2SD602A-R	TRANSISTOR	2	
Q402	B1BBGE000001	TRANSISTOR	1	
Q403	2SD602A-R	TRANSISTOR	1	
Q404	2SJ278	TRANSISTOR	1	
Q405-07	2SB1219A	TRANSISTOR	3	
Q500,01	2SD1328	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR300-03	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
QR304,05	UN2114	TRANSISTOR-RESISTOR	2	
QR307-13	UN2214	TRANSISTOR-RESISTOR	7	UNR221400L
QR314	UN2114	TRANSISTOR-RESISTOR	1	
QR315-17	UN2214	TRANSISTOR-RESISTOR	3	UNR221400L
QR320-32	UN2214	TRANSISTOR-RESISTOR	13	UNR221400L
QR335-39	UN2214	TRANSISTOR-RESISTOR	5	UNR221400L
QR400-02	UNR221300L	TRANSISTOR	3	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104	D0GZ103J0001	M.RESISTOR CH 10K	1	
R105	D1H84704A008	COMBI.R-R 47	1	
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R109	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	D1H84704A008	COMBI.R-R 47	1	
R113-16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R117-20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123-26	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R127	D0GZ103J0001	M.RESISTOR CH 10K	1	
R128	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R133-37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R138	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R200-13	D1H847240002	COMBI.R-R 4.7K	14	
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R216	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R300	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R301-04	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	4	
R305	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R307-17	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	11	
R320-32	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	13	
R335-39	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	5	
R400	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	
R401	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	1	
R402	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
⚠ R407	K5H3121A0004	FUSE	1	
R408	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R409-11	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	3	
R412	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R413,14	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R416	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R417	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R420-22	ERJ8GEYJ682	M.RESISTOR CH 1/8W 6.8K	3	
R423-28	ERJ8GEYJ332	M.RESISTOR CH 1/8W 3.3K	6	
R442-44	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	3	
R445	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R503	EXBV8V102J	COMBI.R-R 1K	1	
R506,07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R508,09	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R510,11	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R512	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R513,14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R515	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R516-18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R519,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW200,01	VSP0853A000	SWITCH	2	K0F111A00235
SW204-07	VSP0853A000	SWITCH	4	K0F111A00235
SW208	VSP0795	SWITCH	1	K0F111A00276
SW209-16	VSP0864A000	SWITCH	8	K0F111A00243
SW217	K0F111A00367	SWITCH (RED)	1	
SW218	VSP0864A000	SWITCH	1	K0F111A00243
SW219,20	VSP0853A000	SWITCH	2	K0F111A00235
SW221	VSP0864A000	SWITCH	1	K0F111A00243
SW222	VSP0791	SWITCH	1	K0F111A00279

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
SW223	K0F111A00426	SWITCH	1	
SW224	VSP0792	SWITCH	1	K0F111A00280
SW225	VSP0789	SWITCH	1	K0F111A00283
SW226	VSP0790	SWITCH	1	K0F111A00278
SW227,28	VSP0864A000	SWITCH	2	K0F111A00243
SW229,30	VSS0279	SWITCH	2	K0D112A00094
SW231	VSS0313	SWITCH	1	K0D113A00044
SW232,33	VSS0279	SWITCH	2	K0D112A00094
SW234,35	EVQ21K04K	SWITCH	2	
SW236	VSS0279	SWITCH	1	K0D112A00094
SW237-44	EVQ21K04K	SWITCH	8	
SW247,48	EVQ21K04K	SWITCH	2	
T400	G4ZZ00000446	TRANSFORMER	1	
VR500-03	VRV0279	V.RESISTOR	4	D2BCA54B0003
VR505	EVJ089F15B54	V.RESISTOR 50K	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	3	
	VJF1466	LCD HOLDER	2	
	VMX3227	LED HOLDER	2	
	VGU9191	KEY TOP BUTTON	2	
	VSC5409	HEADPHONE EARTH ANGLE	1	
	VSC5450	EARTH ANGLE	1	
■ E17	VEP80C79B	FRONT SUB P.C.BOARD	1	(RTL)
D700	LN38GCPP	LED	1	
D702,03	LN48YCPP	LED	2	
P700	K1KA07A00083	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	3	
■ E18	VEP80C78A	EJECT P.C.BOARD	1	(RTL)
SW600	VSP0864C001	SWITCH	1	K0F111A00274
		MISCELLANEOUS		
	VWJ03CN060AA	FLAT CABLE	1	
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	

ELECTRICAL REPLACEMENT PARTS LIST (AJ-SD755E/ D755MC)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84383C	F1 AUDIO P.C.BOARD	1	(RTL)
■ E2	VEP83594A	F2A V IN P.C.BOARD	1	(RTL)
■ E3	VEP84384B	F2B A PROC P.C.BOARD	1	(RTL)
■ E4	VEP83629D	F4 REC PB P.C.BOARD	1	(RTL)
■ E5	VEP83597D	F5 V OUT P.C.BOARD	1	(RTL)
■ E6	VEP86326H	F6 SYSCON P.C.BOARD	1	(RTL)
■ E7	VEP82246E	F7 SERVO P.C.BOARD	1	(RTL)
■ E8	VEP85207B	F8 RF EQ P.C.BOARD	1	(RTL)
■ E9	VEP85217A	RF CUE P.C.BOARD	1	(RTL)
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
■ E12	VEP82247A	MECHA IF2 P.C.BOARD	1	(RTL)
■ E13	VEP81221C	POWER 1 P.C.BOARD	1	(RTL)
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
■ E15	VEP80C40C	AV JACK P.C.BOARD	1	(RTL)
■ E16	VEP86337C	FRONT P.C.BOARD	1	(RTL)
■ E17	VEP80C79B	FRONT SUB P.C.BOARD	1	(RTL)
■ E18	VEP80C78A	EJECT P.C.BOARD	1	(RTL)
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E1	VEP84383C	F1 AUDIO P.C.BOARD	1	(RTL)
C4100-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	4	
C4104-07	ECEA1HGE330	E.CAPACITOR 50V 33U	4	
C4114-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4118,19	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4120,21	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4126,27	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4128-31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4134,35	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4300,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4304,05	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C4308,09	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4313,14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4316,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4324,25	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C4328	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4329,30	ECUX1H152KBV	C.CAPACITOR CH 50V 1500P	2	
C4334,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4336	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4341	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4346	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4348	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4351	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4353-55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4356,57	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C4360	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4361,62	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C4365,66	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	2	
C4373,74	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C4451	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4454,55	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4456	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4457	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4458	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C4459,60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4461,62	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4463,64	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C4465-68	ECUX1H471KBV	C.CAPACITOR CH 50V 470P	4	
C4469,70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4473,74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4475,76	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4477,78	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C4479-82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4483,84	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4487,88	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4489,90	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4499	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4501	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4560,61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4562,63	ECHU1H472JB	P.CAPACITOR 50V 4700P	2	
C4568,69	EEVHP1C100	E.CAPACITOR 16V 10U	2	
C4570,71	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4572,73	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4574,75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4576,77	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4578,79	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4580,81	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4582-85	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4586,87	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C4588,89	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4590-93	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4598,99	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	2	
C4820,21	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	2	
C4822-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4828-31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4832,33	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4834,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4836,37	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C4838,39	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4844-47	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4848,49	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4850,51	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C4852-55	ECA1CHG471	C.CAPACITOR 16V 470U	4	
C4858-61	EEVHP1C100	E.CAPACITOR 16V 10U	4	
C4862,63	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C4950	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4951	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4953,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4955,56	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4957-63	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C4964	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4965	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5001	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5003	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5007	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5009	ECUX1H822KBV	C.CAPACITOR CH 50V 8200P	1	
C5010	ECUX1C394KBN	C.CAPACITOR CH 16V 0.39U	1	
C5012	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5014,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5017	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C5018-20	ECHU1C104J	P.CAPACITOR 16V 0.1U	3	
C5022	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5023	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5026	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5028	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5030	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5031	ECUM1C224KBM	C.CAPACITOR CH 16V 0.22U	1	F1K1C224A029
C5034	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5035	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C5036	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5037	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5039	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5040	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5041	ECHU1C104J	P.CAPACITOR 16V 0.1U	1	
C5042	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5043	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C5044	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5045	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5049-56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C5057-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C5066,67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5068	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5201	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5202	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C5203	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5207	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5209,10	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5211	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5214	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5215,16	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C5217	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5218	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C5219	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C5220	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5225	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5226	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5228	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C5402-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
D4100-03	MA3X15700L	DIODE	4	
D4104	MA716	DIODE	1	
D4450	MA147	DIODE	1	
D4451	MA142WK	DIODE	1	
D4453-55	MA142WK	DIODE	3	
D4460	MA142WK	DIODE	1	
D4562-65	MA3X15700L	DIODE	4	
D4566,67	MA142WA	DIODE	2	
D4820-23	MA3X15700L	DIODE	4	
D4824-26	MA142WA	DIODE	3	
D5001,02	MA716	DIODE	2	
D5200	MA152A	DIODE	1	
D5201,02	MA3X15700L	DIODE	2	
FL4950	VLF1466B223	LINE FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC4100,01	C0ABBB000184	IC	2	
IC4102,03	THC4052FT	IC	2	
IC4104	C0CBADD00003	IC	1	
IC4105	C0CBBDB00004	IC	1	
IC4106,07	C0ABBB000184	IC	2	
IC4110,11	C0ABBB000184	IC	2	
IC4112,13	THC4052FT	IC	2	
IC4300	C0JBAZ001121	IC	1	
IC4301,02	C0ABBB000184	IC	2	
IC4306	C0FBZK000006	IC	1	
IC4308	C0CBABE00013	IC	1	
IC4309,10	C0ABBB000184	IC	2	
IC4313,14	THC4052FT	IC	2	
IC4316	THC4052FT	IC	1	
IC4450	C0FBBK000029	IC	1	
IC4451	C0CBADD00003	IC	1	
IC4452	C0CBBDB00004	IC	1	
IC4453,54	C0ABBB000184	IC	2	
IC4455	C0CBADD00003	IC	1	
IC4456	C0CBBDB00004	IC	1	
IC4457,58	THC4052FT	IC	2	
IC4459	C0CBADD00003	IC	1	
IC4460	C0CBBDB00004	IC	1	
IC4463,64	C0ABBB000184	IC	2	
IC4465	C0CBADC00063	IC	1	
IC4560,61	C0ABBB000184	IC	2	
IC4562,63	THC4052FT	IC	2	
IC4564-67	NJM4556AM	IC	4	C0ABBB000042
IC4820,21	C0FBBG000033	IC	2	
IC4822,23	C0ABBB000184	IC	2	
IC4824,25	TC4W53FU	IC	2	
IC4826	THC4052FT	IC	1	
IC4827	NJM4556AM	IC	1	C0ABBB000042
IC4828	THC4052FT	IC	1	
IC4829-31	NJM4556AM	IC	3	C0ABBB000042
IC4832	C0ABBB000184	IC	1	
IC4950	C3BBFC000270	IC	1	
IC4951	C0CBAAB00021	IC	1	
IC4952	C1ZBZ0001836	IC	1	
IC5001-03	C0ABBB000184	IC	3	
IC5004	C0JBAS000075	IC	1	
IC5006	C0ABBB000184	IC	1	
IC5008	C0JBAS000075	IC	1	
IC5009	C1BB00000311	IC	1	
IC5010	C0ABBB000184	IC	1	
IC5011	THC4052FT	IC	1	
IC5013	C0CBADD00003	IC	1	
IC5015	C0ABBB000184	IC	1	
IC5016	C0CBBDB00004	IC	1	
IC5017	C0CBADD00003	IC	1	
IC5019	C0CBBDB00004	IC	1	
IC5020	NJM78L09UA	IC	1	C0CBAHC00002
IC5200	C0JBAZ001121	IC	1	
IC5202	C0FBZH000011	IC	1	
IC5203	C0ABBB000184	IC	1	
IC5204	C0CBABE00013	IC	1	
IC5401	C0JBAZ001003	IC	1	
IC5402	C0JBAZ001137	IC	1	
IC5404	C0JBAZ001121	IC	1	
IC5405	C0JBAA000261	IC	1	
ID5400	VVVSI3891	SOFTWARE	1	DOWNLOAD ONLY
IP5400	C1ZBZ0001555	IC	1	
L4950	VLF1151A132	COIL	1	
P4001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P5400	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q4450-53	2SB1219A-R	TRANSISTOR	4	
Q4454,55	2SD1979	TRANSISTOR	2	
Q4560,61	2SD1979	TRANSISTOR	2	
Q4562	2SD602A-R	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q4563	2SB710A-RS	TRANSISTOR	1	
Q4564-69	2SD1328	TRANSISTOR	6	
Q4820	2SD602A-R	TRANSISTOR	1	
Q4821	2SB710A-RS	TRANSISTOR	1	
Q4822-29	2SD1328	TRANSISTOR	8	
Q5200-02	2SD1328	TRANSISTOR	3	
QR4450-53	UNR521300L	TRANSISTOR	4	
QR4454,55	UNR511300L	TRANSISTOR	2	
QR4560,61	UNR521300L	TRANSISTOR	2	
QR4562,63	UNR511300L	TRANSISTOR	2	
R4001	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4010	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4030,31	ERDS2TJ392	C.RESISTOR 1/4W 3.9K	2	D0AE392JA045
R4100,01	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4102,03	ERJ12YJ621	M.RESISTOR CH 1/2W 620	2	
R4104,05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4106-09	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	4	
R4110-13	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	4	
R4114	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4115	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4116	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4117	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4118	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4119	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4120	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4121	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4122	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4123	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4124	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R4125	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R4126-29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4130	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4131	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4132	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4133	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4134	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4135	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4136	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4137	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4138	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4139	ERJ3GEYJ335	M.RESISTOR CH 1/16W 3.3M	1	
R4140	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R4141	ERJ3RBD911	M.RESISTOR CH 1/16W 910	1	
R4142-47	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	6	
R4148,49	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4150,51	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4152,53	ERJ3RED470	M.RESISTOR CH 1/16W 47	2	
R4154,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4156,57	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R4160,61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4162,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4164,65	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4166	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4168	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R4170	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4171	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4172	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4173	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4174	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4175	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R4176	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R4177	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4178	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R4179	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4180	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4181	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4182	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4183	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R4184	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4185	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R4186,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4188,89	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4190,91	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4300	D1H84704A008	COMBI.R-R 47	1	
R4301	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4302,03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4304,05	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R4308-11	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	4	
R4316,17	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R4320,21	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4324,25	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4328-31	ERJ3RBD331	M.RESISTOR CH 1/16W 330	4	
R4336	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4338,39	D1H84704A008	COMBI.R-R 47	2	
R4340	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4342	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4344	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4345	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4348	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4350-53	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4358,59	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4362,63	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R4366,67	ERJ3RBD201	M.RESISTOR CH 1/16W 200	2	
R4370,71	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4378,79	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R4382	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4383	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4384	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4385	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4386	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4387	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4388	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4389	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4398	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4399	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4400	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4401	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4402	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4403	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4411	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4413,14	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4417,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4454	D1H84704A008	COMBI.R-R 47	1	
R4455,56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4457	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4458	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4459,60	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4461	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4462	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4463	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4464	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4465	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4466	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4468-71	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	4	
R4472	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4473,74	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4475-78	ERJ3RBD201	M.RESISTOR CH 1/16W 200	4	
R4479	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4481,82	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4485,86	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	2	
R4487	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4488	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4489	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4490	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4491	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R4492	ERJ3RBD362	M.RESISTOR CH 1/16W 3.6K	1	
R4493	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4494	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4495	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4496	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4497	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4498	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4499	ERJ3RBD241	M.RESISTOR CH 1/16W 240	1	
R4500	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R4501,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4505,06	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4507,08	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4511	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4512	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4513	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4514	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4515	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4516	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4517,18	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4519,20	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4521,22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4523,24	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4527-33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	7	
R4534	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4560,61	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4564,65	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	2	
R4566,67	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R4568,69	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4570	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4571	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4572	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4573	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4574	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R4575	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R4576,77	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	2	
R4578,79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4580,81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4582,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4586,87	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4588,89	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4590,91	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4592	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4593	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4594	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4595	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4596	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4597	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4598	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4599	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4600	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4601	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4602	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4603	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4604	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4605	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4606-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R4610,11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4612,13	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4616,17	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4618,19	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4620,21	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R4622-29	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4630-33	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4634,35	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4636-39	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4640,41	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4642-45	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4646-49	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R4650-53	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R4654-61	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4824,25	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4826	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4827	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4828	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R4829	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4830,31	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R4832,33	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R4834-39	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	
R4840,41	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4842	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4843	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4844	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4845	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R4846	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R4847	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R4848	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R4849	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R4850	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4851	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4852	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4853	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R4854	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R4855	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R4856,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4858,59	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4862,63	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R4864,65	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	2	
R4866,67	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	2	
R4868-75	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	8	
R4876-79	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4880,81	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4882-85	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	4	
R4886,87	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R4888-91	ERJ14YJ220	M.RESISTOR CH 1/4W 22	4	
R4892,93	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R4894,95	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4896,97	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4898,99	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R4900,01	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4902,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R4904,05	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R4906	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4907	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4908	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4909	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4911-18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	8	
R4950-53	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	4	
R4954	EXBV8V101J	COMBI.R-R 100	1	
R4958	EXBV8V473J	COMBI.R-R 47K	1	
R4960,61	EXBV8V473J	COMBI.R-R 47K	2	
R4965	EXBV8V473J	COMBI.R-R 47K	1	
R4967-69	EXBV8V473J	COMBI.R-R 47K	3	
R4971-74	EXBV8V473J	COMBI.R-R 47K	4	
R4979	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5001	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5002	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5003	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5004,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5006	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5008	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5010	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5011	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5012	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5015	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5018	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5020	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5022	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5027	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5028	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5032	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5033	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5034	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5035	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R5037	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5038	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5039	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R5041	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5043	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5045,46	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5047	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R5049	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5050,51	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5052	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5053,54	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R5055-57	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R5059	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5061,62	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5067	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5071	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5078	ERJ3RBD202	M.RESISTOR CH 1/16W 2K	1	
R5079	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5080	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5081	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5082	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5084	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5085	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5086	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5088	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R5089	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5090	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5104	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	D1H84704A008	COMBI.R-R 47	1	
R5202	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5203	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R5206	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5207	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R5208	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R5209	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R5212	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5213	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R5215	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R5216	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5217	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R5218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5219	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5221,22	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5226	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5228,29	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5231	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5232	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5236	D1H84704A008	COMBI.R-R 47	1	
R5237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5238	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5239	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R5241	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5242	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5400	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5402,03	D0GZ220J0001	M.RESISTOR CH 22	2	
R5405	EXBV8V102J	COMBI.R-R 1K	1	
R5406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5407,08	EXBV8V473J	COMBI.R-R 47K	2	
R5409	D0GZ103J0001	M.RESISTOR CH 10K	1	
SW4100,01	VSS0126	SWITCH	2	
TG4100	EYF6CU	TEST POINT	1	
TG4300	EYF6CU	TEST POINT	1	
TG5001	EYF6CU	TEST POINT	1	
TP4300-02	EYF6CU	TEST POINT	3	
TP4560,61	EYF6CU	TEST POINT	2	
TP4820,21	EYF6CU	TEST POINT	2	
TP5002	EYF6CU	TEST POINT	1	
TP5200	EYF6CU	TEST POINT	1	
VR4300,01	EVMEGSA00B53	V.RESISTOR 5K	2	
VR4450,51	EVMEGSA00B14	V.RESISTOR 10K	2	
VR4560,61	EVMEGSA00B14	V.RESISTOR 10K	2	
VR5001	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5004	EVMEGSA00B53	V.RESISTOR 5K	1	
VR5006	EVMEGSA00B24	V.RESISTOR 20K	1	
VR5007	EVMEGSA00B14	V.RESISTOR 10K	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E2	VEP83594A	F2A V IN P.C.BOARD	1	(RTL)
C3001-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3013,14	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3015-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3028	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3029	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3030	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3031	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3032-38	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3039-53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C3054-60	EEVHB0J470	E.CAPACITOR 6.3V 47U	7	
C3061	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3062	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3063-69	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3070	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3071	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3072-76	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	5	
C3102-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3105	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3106	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3108,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3110	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C3111	ECHU1H683JB	P.CAPACITOR 50V 0.068U	1	
C3112	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3113	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C3114	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3115	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3116	ECHU1C392JA	P.CAPACITOR 16V 3900P	1	
C3117	ECUM1C334KBM	C.CAPACITOR CH 16V 0.33U	1	
C3118	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3119	ECHU1C152J	P.CAPACITOR 16V 1500P	1	
C3120	ECUX1C684KBM	C.CAPACITOR CH 16V 0.68U	1	
C3121	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3122,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3124	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3125	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3152	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3157,58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3159	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3160	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3163	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3165-67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3168	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C3170-77	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3179,80	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3182	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3183,84	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3204	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3205	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3206-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3213	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3214-19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3253-55	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3256	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3257	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3258	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3259	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3260,61	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	
C3262-65	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3270	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3272	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3273	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3274	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3275	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3276	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3278	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3279	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C3280,81	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3282	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3283-86	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3300	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3302	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3303	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3306,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3308	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3309,10	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C3311	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3312-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3316	ECUM1C474KBM	C.CAPACITOR CH 16V 0.47U	1	
C3317	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3318,19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3356-59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C3360	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3361-65	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3366,67	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C3368,69	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3370	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3371,72	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	2	
C3373,74	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	2	
C3375,76	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3377,78	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	2	
C3381,82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3400	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3401	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3404	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C3405	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3406,07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3411	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3412	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3413,14	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C3450	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3451	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3452	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3453	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3454	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3455	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	
C3456	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3457	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3459	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C3460	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3461	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3462	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3463	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3464	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C3465	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3467	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3468	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3469	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3470,71	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3472	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3473	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3474	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3475	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3476	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3477-79	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3505-07	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	
C3508-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3536	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3538	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3539	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3540,41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3542	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C3543	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3546	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3547	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3549-51	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3552	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3553	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3554	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3555-62	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3564	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3606	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3607	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3608	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3609	ECJ2VC1H680J	C.CAPACITOR CH 50V 68P	1	
C3610	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3611-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3615	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3618	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3619	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3620	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3621	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3622,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3624	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3625	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3626-34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3636	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3706	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3707	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	
C3708	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3709	ECJ2VC1H680J	C.CAPACITOR CH 50V 68P	1	
C3710	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3711-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3715	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3718	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3719	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3720	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3721	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3722,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3724	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3725	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3726-34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3736	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3803-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3820	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3821	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3822-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3828	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3829-35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3837	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3870,71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3900	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3901-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3950-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
D3001-04	MA704A	DIODE	4	
D3100	MA142K	DIODE	1	
D3150	MA3J14300L	DIODE	1	
D3300	MA3J14300L	DIODE	1	
D3350	MA142K	DIODE	1	
D3400	MA142WK	DIODE	1	
D3450	MA142K	DIODE	1	
D3451	MA335-R	DIODE	1	
D3530	MA3J14300L	DIODE	1	
D3600	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
DL3450	VLD0264	COIL	1	G2A7R9C00001
FL3100	VLF1015	FILTER	1	
FL3530	VLF1179	FILTER	1	
FL3600	VLF1476	FILTER	1	J0E3504B0004
FL3700	VLF1476	FILTER	1	J0E3504B0004
IC3001-04	AN77L03M	IC	4	
IC3005	AN77L05M	IC	1	
IC3006,07	NJM78L09UA	IC	2	C0CBAHC00002
IC3008-14	AN77L05M	IC	7	
IC3015-21	C0CBBDB00004	IC	7	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3022	C0CBAAB00021	IC	1	
IC3100	C0JBAS000075	IC	1	
IC3101	AN3296S	IC	1	
IC3102	SN74LS221NS	IC	1	
IC3150	C0ABFB000012	IC	1	
IC3151	C0ABEB000023	IC	1	
IC3152	C0FBAF000042	IC	1	
IC3153	C0JBAZ001437	IC	1	
IC3154	C0JBAA000261	IC	1	
IC3200	C0JBAA000261	IC	1	
IC3201	CXD2024AQ	IC	1	C1AB00000468
IC3202	C0JBAA000261	IC	1	
IC3300	SN74LV04APW	IC	1	C0JBAB000247
IC3301	SN74LS221NS	IC	1	
IC3302	C0ABFB000012	IC	1	
IC3303	C0ABEB000023	IC	1	
IC3304-06	C0JBAR000111	IC	3	
IC3350	NJM319V	IC	1	
IC3351,52	NJM1496V	IC	2	
IC3400	AN91A12S	IC	1	
IC3450	C0JBAC000158	IC	1	
IC3451	C0JBAB000354	IC	1	
IC3452	C0JBAF000250	IC	1	
IC3453,54	SN74LS221NS	IC	2	
IC3455	C0ABEB000023	IC	1	
IC3456	C0JBAR000111	IC	1	
IC3457	C0JBAZ001003	IC	1	
IC3530	C0JBAS000075	IC	1	
IC3531	C0ABFB000012	IC	1	
IC3532	C0FBAF000042	IC	1	
IC3533	C0ABEB000023	IC	1	
IC3534	AD8055AR	IC	1	C0ABGB000013
IC3600	C0JBAS000075	IC	1	
IC3601	C0ZBZ0000569	IC	1	
IC3602	C0ABFB000012	IC	1	
IC3603	C0ABEB000023	IC	1	
IC3604	C0FBAF000042	IC	1	
IC3700	C0JBAS000075	IC	1	
IC3701	C0ZBZ0000569	IC	1	
IC3702	C0ABFB000012	IC	1	
IC3703	C0ABEB000023	IC	1	
IC3704	C0FBAF000042	IC	1	
IC3800	M62370GP	IC	1	C0FBBD000082
IC3820	C1ZBZ0002123	IC	1	
IC3821	C0JBAA000261	IC	1	
IC3822	AK6440AF	IC	1	
IC3823,24	C0JBAZ001437	IC	2	
IC3870	74LCX244MTCX	IC	1	C0JBAZ000545
IC3871	C0JBAZ001003	IC	1	
IC3900,01	C0JBAZ001121	IC	2	
IC3902	C0JBAZ001137	IC	1	
IC3950	C0JBAZ001003	IC	1	
ID3950	VVVSI3879A	SOFTWARE	1	DOWNLOAD ONLY
IP3950	C1ZBZ0001555	IC	1	
L3001	VLF1151A132	COIL	1	
L3004	VLF1151A132	COIL	1	
L3153	G1C101K00022	COIL 100UH	1	
L3155	G1C101K00022	COIL 100UH	1	
L3253,54	VLQ0163J180	COIL 18UH	2	G1C180J00001
L3255,56	VLQ0163J220	COIL 22UH	2	
L3257	VLQ0163J270	COIL 27UH	1	
L3258	VLQ0163J6R8	COIL 6.8UH	1	G1C6R8J00007
L3259	VLQ0163J5R6	COIL 5.6UH	1	
L3353	VLQ0163J470	COIL 47UH	1	
L3354,55	VLQ0163J560	COIL 56UH	2	
L3402	VLQ0133J391	COIL 390UH	1	
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3533	VLQ0133J821	COIL 820UH	1	
L3535	G1C101K00022	COIL 100UH	1	
L3603	VLQ0133J821	COIL 820UH	1	
L3605	G1C101K00022	COIL 100UH	1	
L3703	VLQ0133J821	COIL 820UH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3705	G1C101K00022	COIL 100UH	1	
P3001	K1KA96B00032	CONNECTOR (MALE)	1	
P3950	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3100	2SB0709A0L	TRANSISTOR	1	
Q3101	2SD601A	TRANSISTOR	1	
Q3102	XN4501	TRANSISTOR-RESISTOR	1	
Q3150	2SD601A	TRANSISTOR	1	
Q3151	2SC3130	TRANSISTOR	1	
Q3152	2SB0709A0L	TRANSISTOR	1	
Q3153-55	2SD601A	TRANSISTOR	3	
Q3156	2SK198-R	TRANSISTOR	1	2SK01980R
Q3250,51	2SD601A	TRANSISTOR	2	
Q3252,53	2SB0709A0L	TRANSISTOR	2	
Q3254,55	2SD601A	TRANSISTOR	2	
Q3256,57	2SC3130	TRANSISTOR	2	
Q3258-60	2SD601A	TRANSISTOR	3	
Q3261	2SB0709A0L	TRANSISTOR	1	
Q3300,01	2SD601A	TRANSISTOR	2	
Q3350-58	2SD601A	TRANSISTOR	9	
Q3450	2SC3757-R	TRANSISTOR	1	
Q3451,52	2SA1226E34	TRANSISTOR	2	
Q3453	2SC3757-R	TRANSISTOR	1	
Q3454	2SC2295	TRANSISTOR	1	
Q3500-02	XN0460100L	TRANSISTOR-RESISTOR	3	
Q3530	2SD601A	TRANSISTOR	1	
Q3531,32	2SB0709A0L	TRANSISTOR	2	
Q3535	2SB0709A0L	TRANSISTOR	1	
Q3536	2SD601A	TRANSISTOR	1	
Q3539	2SK198-R	TRANSISTOR	1	2SK01980R
Q3600	2SD601A	TRANSISTOR	1	
Q3601	2SB0709A0L	TRANSISTOR	1	
Q3602	2SD601A	TRANSISTOR	1	
Q3603	2SB0709A0L	TRANSISTOR	1	
Q3604	2SD601A	TRANSISTOR	1	
Q3605	2SC3130	TRANSISTOR	1	
Q3606,07	2SD601A	TRANSISTOR	2	
Q3608	2SK198-R	TRANSISTOR	1	2SK01980R
Q3609	2SD601A	TRANSISTOR	1	
Q3700	2SD601A	TRANSISTOR	1	
Q3701	2SB0709A0L	TRANSISTOR	1	
Q3702	2SD601A	TRANSISTOR	1	
Q3703	2SB0709A0L	TRANSISTOR	1	
Q3704	2SD601A	TRANSISTOR	1	
Q3705	2SC3130	TRANSISTOR	1	
Q3706,07	2SD601A	TRANSISTOR	2	
Q3708	2SK198-R	TRANSISTOR	1	2SK01980R
Q3709	2SD601A	TRANSISTOR	1	
R3100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3101	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3102	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3103	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3104,05	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3106	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3107	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3108	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3109	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3110	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	1	
R3113	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3114	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3115	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3116	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3117	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3118	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3119	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3120	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3121	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3122	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3123,24	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R3125	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3150	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3151	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3152	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3153	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3154	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3155	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3156	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3157	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3160	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3163	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3164	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3165	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3166	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3167	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3171-73	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R3175	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3176	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R3177	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3178	ERJ3RBD132	M.RESISTOR CH 1/16W 1.3K	1	
R3179	ERJ3RBD133	M.RESISTOR CH 1/16W 13K	1	
R3180	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R3181	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3184	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3200	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3206	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3207	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3208	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3209	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R3210	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3211	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3212	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3213	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3214,15	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3250,51	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3252	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3253	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3254,55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3256,57	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3258,59	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3260,61	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3262,63	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3264	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3265	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3275,76	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3278	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3279-81	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3282	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3283	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3284	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3285	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3286	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3287	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3288	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3289	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3290	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3291	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3292	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3293	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3303	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3304	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3305	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3306	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3308	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3309	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3310,11	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3313	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3314	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3315	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3316	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3317	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3318	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3319	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3320	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3322	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3323-25	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3326	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3327	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3328	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3329,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3332-35	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	
R3350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3351	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3353	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3354	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3356	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3357	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3358,59	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3360,61	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3362	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3363	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3364,65	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3366	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3367	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3368,69	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3370-73	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	4	
R3374	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3375	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3376	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3377	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3378	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3379	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3380	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3381	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3382,83	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3384,85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3386,87	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3388	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3390-92	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3393	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3394,95	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R3396	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3397	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3398	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3402	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3404	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3405	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3406-08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3450	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3451	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3452	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3453	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3454	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3455	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3456	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3457	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3458	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3459	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3460	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3461	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3462	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3463	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3467	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R3468,69	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3470	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3471	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3472,73	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3474	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3475,76	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3478	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3479	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3480	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3481	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3482,83	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3484	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3485-89	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3500-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3503-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3506	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3507,08	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3509-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R3513	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3516	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3518	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3530	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3531	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3532	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3534	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3535	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3536	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3537	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3538	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3539	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3540	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3541	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3542	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3545	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3546	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3547	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3551	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3554,55	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3556	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3557	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3560,61	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3563	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3564	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3565	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3567	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3568	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3569	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3570	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3571	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3572	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3573	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3574	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3575	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3576	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3577	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3579	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3600	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3601	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3602	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3603	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3604-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3608	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3609	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3610	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3611	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3612	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3613,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3615	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3616	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3617	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3619	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3620	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3623	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3624	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3626	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3627	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3628	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3629	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3630	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3631	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3632,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3634	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3635	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3636	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3637	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3638	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3639	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3641	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3642,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3644	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3645	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3646	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3647	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3648	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3700	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3701	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3702	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3703	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3704-07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3708	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3709	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R3710	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3711	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3712	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3713,14	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3715	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3716	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3717	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3719	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3720	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3723	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3724	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3726	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3727	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3731	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3732,33	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3735	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3736	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3737	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3741	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3742,43	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3744	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R3745	ERJ3RBD302	M.RESISTOR CH 1/16W 3K	1	
R3746	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R3747	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3748	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3800-02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3803-05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3820	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3821	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3822	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3829	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3831	EXBV8V473J	COMBI.R-R 47K	1	
R3832	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R3833	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3834,35	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3836	EXBV8V102J	COMBI.R-R 1K	1	
R3870	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3871,72	EXBV8V101J	COMBI.R-R 100	2	
R3874	D1H833040002	COMBI.R-R 33	1	
R3875-77	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3900	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3901,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3903,04	EXBV8V473J	COMBI.R-R 47K	2	
R3950	EXBV8V102J	COMBI.R-R 1K	1	
R3951	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3952	D0GZ103J0001	M.RESISTOR CH 10K	1	
TG3302	EYF6CU	TEST POINT	1	
TG3451	EYF6CU	TEST POINT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
TG3531	EYF6CU	TEST POINT	1	
TG3820	EYF6CU	TEST POINT	1	
TP3300,01	EYF6CU	TEST POINT	2	
TP3450	EYF6CU	TEST POINT	1	
TP3821,22	EYF6CU	TEST POINT	2	
TP3824	EYF6CU	TEST POINT	1	
TP3870,71	EYF6CU	TEST POINT	2	
VC3450	VCV0047	TRIMMER	1	
VR3300	EVMEGSA00B53	V.RESISTOR 5K	1	
VR3301	EVMEGSA00B13	V.RESISTOR 1K	1	
VR3450	EVMEGSA00B23	V.RESISTOR 2K	1	
X3300	H1C1775A0002	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E3	VEP84384B	F2B A PROC P.C.BOARD	1	(RTL)
C4055	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4056	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4061-63	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4064,65	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4066,67	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4100-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4103	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4150-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4300,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C4302,03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4305,06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4350-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4400	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4401-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4500	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4501-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4550	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4551-58	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C4600	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4601	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4602-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C4653,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4655,56	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	2	
IC4052,53	C0CBAAB00021	IC	2	
IC4100	C0JBAZ001121	IC	1	
IC4101	C0JBAZ001137	IC	1	
IC4102	C0JBAZ001121	IC	1	
IC4150-52	C0JBAZ001003	IC	3	
IC4301	C0ZBZ0000363	IC	1	
IC4302	C0JBAZ001003	IC	1	
IC4350	C0JBAZ001003	IC	1	
IC4400	C1ZBZ0001836	IC	1	
IC4500	C1ZBZ0001836	IC	1	
IC4550,51	C3BBFC000270	IC	2	
IC4552	C1AB00001135	IC	1	
IC4553,54	C3BBFC000270	IC	2	
IC4601	UPD65949G076	IC	1	C1AB00000858
IC4602	C3BBFC000270	IC	1	
IC4651,52	C5AB00000006	IC	2	
ID4351	VVVSI4183	SOFTWARE	1	DOWNLOAD ONLY
IP4351	C1ZBZ0001555	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L4052	VLF1151A132	COIL	1	
L4301	VLQ0319K470	COIL 47UH	1	G1C470K00013
P4001	K1KA96B00032	CONNECTOR (MALE)	1	
P4350	K1KA08B00147	CONNECTOR (FEMALE)	1	
R4001	EXBV8V101J	COMBI.R-R 100	1	
R4100	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4101,02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R4103,04	EXBV8V473J	COMBI.R-R 47K	2	
R4105,06	D0GZ220J0001	M.RESISTOR CH 22	2	
R4150-52	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4153,54	D1H84704A008	COMBI.R-R 47	2	
R4155,56	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R4157	D1H84704A008	COMBI.R-R 47	1	
R4160-64	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	5	
R4301	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4302	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4303-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R4310	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4315	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4350	EXBV8V102J	COMBI.R-R 1K	1	
R4351	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R4352	D0GZ103J0001	M.RESISTOR CH 10K	1	
R4400,01	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	F1H1H102A009
R4410,11	EXBV8V473J	COMBI.R-R 47K	2	
R4412	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4500,01	EXBV8V473J	COMBI.R-R 47K	2	
R4502	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4551	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4554	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4600	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
TG4001	EYF6CU	TEST POINT	1	
TP4409	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E4	VEP83629D	F4 REC PB P.C.BOARD	1	(RTL)
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3012	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3013-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3018	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3019	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3020	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3021-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3026,27	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3028-30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3031	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3032-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3041-44	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3045,46	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3047,48	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3050	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3051,52	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3053,54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3056	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3057	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3058,59	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3060	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3061-64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3065	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3066	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3068	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3069,70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3071	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3072	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3073	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3074	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3075	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3076	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C3077	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3079	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3080-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C3150	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3151-70	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	20	
C3171	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3172	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3173	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3174	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3210-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3218	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3219	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3240	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3241	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3242-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3260-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C3275	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3276	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3277	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3278	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3279	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3280,81	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3290-93	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3300-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3304	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3305	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3307	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3308	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	1	
C3309-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	16	
C3325	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3326	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3350-62	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	13	
C3363	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3364-68	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3369	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3370	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3371	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3372,73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3380-85	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3450-57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3458	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3460-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3472	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3473-75	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3500	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3501-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3611	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3612-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3640	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3641	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3642-44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3670-72	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3673-75	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3676	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3677	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3678	EEVHP1E3R3	E.CAPACITOR 25V 3.3U	1	
C3679	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3680-82	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3700-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3703,04	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3705,06	ECUX1H050CCV	C.CAPACITOR CH 50V 5P	2	
C3707	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3708,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3710,11	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	2	
C3712	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3713	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3714	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3715	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3716	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3717	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3718	ECUX1H020CCV	C.CAPACITOR CH 50V 2P	1	
C3719,20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3721	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3722	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3723	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3724,25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3750	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3752-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3770-74	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3801-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3808-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3812	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3841	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3842	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3843	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C3845	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3846	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3847-56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3857	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3858,59	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	2	
C3860	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3951-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C4000	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4003	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4005	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4006	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4100-10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C4111	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4112-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4122	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4123	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4124	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4125	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4126	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4150-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4200-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C4214	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C4215-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C4225	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4226	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4227	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4228	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4229	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C4250-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C4301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4302	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C4304	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4306	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4307	ECUX1C224KBN	C.CAPACITOR CH 16V 0.22U	1	
C4308,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4310	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
D3010	MA716	DIODE	1	
D3052,53	MA3J14300L	DIODE	2	
D3670	MA3J14300L	DIODE	1	
D3700	MA3J14300L	DIODE	1	
D4302,03	MA3J14300L	DIODE	2	
FL3700	VLF1462	FILTER	1	
IC3010	LT1086CM	IC	1	C0CBAYG00001
IC3011	C0CBAAB00021	IC	1	
IC3012	NJM78L09UA	IC	1	C0CBAHC00002
IC3013	C0JBAZ001121	IC	1	
IC3014	C0JBAZ001003	IC	1	
IC3015	NJM79L09UA	IC	1	C0CABBF00001
IC3018	XC62FP3202P	IC	1	
IC3019	C0CBADC00063	IC	1	
IC3020	C0CBBDB00004	IC	1	
IC3050	C0JBAZ001437	IC	1	
IC3051,52	C0ABEB000023	IC	2	
IC3053	TLC2933IPW	IC	1	C0ABFA000012

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3054	C0JBAF000224	IC	1	
IC3055	BH7086KV	IC	1	C1ZBZ0001649
IC3056	C0JBAB000422	IC	1	
IC3057	C0JBAB000350	IC	1	
IC3058	C0JBAB000422	IC	1	
IC3059	C0JBAB000350	IC	1	
IC3060	TLCX257FT	IC	1	
IC3061	C0JBAZ001728	IC	1	
IC3062	C0JBAZ000851	IC	1	
IC3063	TLCX257FT	IC	1	
IC3064-66	C0JBAZ001728	IC	3	
IC3067	C0JBAB000553	IC	1	
IC3150	C0JBAZ001121	IC	1	
IC3151	C1ZBZ0001836	IC	1	
IC3152	MS51V8221-3G	IC	1	
IC3153	C0JBAF000223	VHC	1	
IC3154	C0JBAZ001121	IC	1	
IC3210	MN673797A	IC	1	
IC3211	C0JBAZ001121	IC	1	
IC3240	T220E7202AF1	IC	1	
IC3260	C1ZBZ0002123	IC	1	
IC3261	C0JBAE000238	IC	1	
IC3290-93	MS51V8221-3G	IC	4	
IC3300	MN7F008B4C	IC	1	
IC3301	C3ABQG000045	IC	1	
IC3302	C0JBAB000397	IC	1	
IC3303,04	C0JBAZ000851	IC	2	
IC3350	C1ZBZ0001836	IC	1	
IC3351	DS90LV047AC	IC	1	
IC3352	C0JBAZ001121	IC	1	
IC3353	C0JBAZ001728	IC	1	
IC3380,81	DS90LV048AC	IC	2	
IC3382-85	C0JBAZ000851	IC	4	
IC3450	MN7F008B4C	IC	1	
IC3451,52	C3ABQG000045	IC	2	
IC3500	TLCX257FT	IC	1	
IC3501	MN673797A	IC	1	
IC3502	C0JBAR000368	IC	1	
IC3503,04	C0JBAZ001121	IC	2	
IC3610	UPD65943G028	IC	1	
IC3640	T220E7202AF1	IC	1	
IC3670	C0JBAZ001437	IC	1	
IC3674	C0ABEB000023	IC	1	
IC3676	TC7W241FU	IC	1	
IC3704	TC4W53FU	IC	1	
IC3705	LT1228CS8	IC	1	
IC3706	C0FBAD000002	IC	1	
IC3750,51	MS51V8221-3G	IC	2	
IC3752,53	C0JBAF000414	IC	2	
IC3770-74	C0JBAZ001121	IC	5	
IC3801,02	C0JBAZ001121	IC	2	
IC3803	C0JBAZ001137	IC	1	
IC3842	TC7W241FU	IC	1	
IC3951	C0JBAZ001137	IC	1	
IC3952,53	C0JBAA000174	IC	2	
IC3955	TC7W241FU	IC	1	
IC3956	C0JBAZ001003	IC	1	
IC3959	C0JBAB000350	IC	1	
IC4000	C0EBE0000209	IC	1	
IC4001	C0CBAAD00023	IC	1	
IC4101	C3ABQG000045	IC	1	
IC4150	T160G70-1601	IC	1	
IC4201	C3ABQG000045	IC	1	
IC4202-04	C0JBAZ001728	IC	3	
IC4250	T160G70-1601	IC	1	
IC4300	C0JBAZ001437	IC	1	
IC4301	C0ABEB000023	IC	1	
IC4302	TLC2932IPW	IC	1	C0ABFA000011
IC4303	C0JBAZ000852	IC	1	
ID0	VVVSI4115	SOFTWARE	1	DOWNLOAD ONLY
ID3841	VVVSI4119	SOFTWARE	1	DOWNLOAD ONLY
ID4100	VVVSI4128	SOFTWARE	1	DOWNLOAD ONLY
ID4200	VVVSI4128	SOFTWARE	1	DOWNLOAD ONLY

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IP3016,17	C1ZBZ0001555	IC	2	
IP3841	C2GBC0000084	MICRO CONTROLLER	1	
IP4100	C1ZBZ0002330	IC	1	
IP4200	C1ZBZ0002330	IC	1	
L3010,11	VLF1151A132	COIL	2	
L3050-56	VLQ0319K470	COIL 47UH	7	G1C470K00013
L3150,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3260,61	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3300	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3350,51	VLQ0319K470	COIL 47UH	2	G1C470K00013
L3450	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3670-72	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3700-03	VLQ0319K470	COIL 47UH	4	G1C470K00013
L3704,05	VLQ0163J390	COIL 39UH	2	
L3706,07	VLQ0163J150	COIL 15UH	2	
L3708	VLQ0319K470	COIL 47UH	1	G1C470K00013
L3841	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4100-02	J0JKC0000009	FILTER	3	
L4103	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4150	J0JKC0000009	FILTER	1	
L4200-02	J0JKC0000009	FILTER	3	
L4203	VLQ0319K470	COIL 47UH	1	G1C470K00013
L4250	J0JKC0000009	FILTER	1	
L4300,01	VLQ0319K470	COIL 47UH	2	G1C470K00013
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
P3841	K1KA10A00303	CONNECTOR (MALE)	1	
P3951	VJS3791B020	CONNECTOR (FEMALE)	1	
P4200	VJP3125B012	CONNECTOR (MALE)	1	
Q3700	2SB0709ALL	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SB0709ALL	TRANSISTOR	1	
⚠ Q4000	HAT1033T	TRANSISTOR	1	B1DHCC000017
QR4000	UNR521400L	TRANSISTOR-RESISTOR	1	
R3011	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3012	EXBV8V102J	COMBI.R-R 1K	1	
R3013,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3015	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3016,17	EXBV8V102J	COMBI.R-R 1K	2	
R3018,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3020	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3022	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3024-26	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3028	EXBV8V102J	COMBI.R-R 1K	1	
R3029,30	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3031	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3034	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3035	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R3050	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3053	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3054	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	1	
R3055	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3056	ERJ3RBD113	M.RESISTOR CH 1/16W 11K	1	
R3057	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3058	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3060	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3061	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3062,63	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3064	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3066	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3067	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3068	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3069	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R3070,71	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3072	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3073	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3075	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3076	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3077	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3078	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3079	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3080	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3081	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3082	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3083-85	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3086,87	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3088	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3089	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091-93	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3094-96	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3099-10	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	12	
R3111	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3112	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3113,14	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3115	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3116	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3118-20	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3122	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3150	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3151	EXBV8V473J	COMBI.R-R 47K	1	
R3152	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3153	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3154	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3155,56	EXBV8V473J	COMBI.R-R 47K	2	
R3157	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3158	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3160	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3161	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3162	EXBV8V473J	COMBI.R-R 47K	1	
R3163,64	D1H84704A008	COMBI.R-R 47	2	
R3165,66	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3168	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3169	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3171-73	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3178,79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3210	EXBV8V473J	COMBI.R-R 47K	1	
R3212	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3215,16	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3217,18	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3219-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	D0GB103JA002
R3225,26	EXBV8V101J	COMBI.R-R 100	2	
R3227,28	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3229,30	EXBV8V102J	COMBI.R-R 1K	2	
R3240-44	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3245	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3246-48	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3261	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3262	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3263	EXBV8V102J	COMBI.R-R 1K	1	
R3264	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3265	EXBV8V102J	COMBI.R-R 1K	1	
R3266-68	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3270	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3276,77	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3279	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3282,83	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3290-93	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3300,01	EXBV8V102J	COMBI.R-R 1K	2	
R3302	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3303	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3304	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3307	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3308	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3310	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3311	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3312	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3313-15	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3316,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3319-21	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R3323	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3350-55	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3356	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3357-60	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3361	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3362-67	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3368	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3371,72	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3373	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3374	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3375	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3377-79	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3383,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3385-92	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	8	
R3393,94	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3395-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3403,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409-12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3426-31	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	6	
R3452-55	D0GZ103J0001	M.RESISTOR CH 10K	4	
R3456	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3457	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3458	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3459	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3460	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3461-64	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3465-67	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3468	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3469,70	EXBV8V102J	COMBI.R-R 1K	2	
R3471-74	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3475-77	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3478-82	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	5	
R3483-85	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3486	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3490-92	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3500	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3501	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3502-05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3506	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3507,08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3509,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3511,12	EXBV8V101J	COMBI.R-R 100	2	
R3513	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3516	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3517,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3519,20	D1H84704A008	COMBI.R-R 47	2	
R3521	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3523	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3610	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3611	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3613	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3614	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3641-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3645-47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3648	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3649,50	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3652-56	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3670	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3671	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3672,73	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R3674	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3675	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3676	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3677	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3679	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3700	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3701,02	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3705,06	ERJ3RBD681	M.RESISTOR CH 1/16W 680	2	
R3707	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R3708	ERJ3RBD361	M.RESISTOR CH 1/16W 360	1	
R3709	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3710	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3711	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3712	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3713	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3714	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3715	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3716,17	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	2	
R3718	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3719	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3720	ERJ3RBD271	M.RESISTOR CH 1/16W 270	1	
R3721	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3722	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R3724	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3728	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R3729	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3730	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3750,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3752,53	D1H84704A008	COMBI.R-R 47	2	
R3754	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3755	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3756,57	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3770,71	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3772	EXBV8V102J	COMBI.R-R 1K	1	
R3775-78	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R3779-85	D1H84704A008	COMBI.R-R 47	7	
R3786	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3787-89	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3790,91	EXBV8V473J	COMBI.R-R 47K	2	
R3792	EXBV8V102J	COMBI.R-R 1K	1	
R3793	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3796	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3802	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3803,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3805	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3809,10	EXBV8V473J	COMBI.R-R 47K	2	
R3815,16	D0GZ220J0001	M.RESISTOR CH 22	2	
R3841	EXBV8V102J	COMBI.R-R 1K	1	
R3842	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3843	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3844	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3845	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3846	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3847,48	D0GZ220J0001	M.RESISTOR CH 22	2	
R3849	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3850	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3851	EXBV8V102J	COMBI.R-R 1K	1	
R3852,53	EXBV8V473J	COMBI.R-R 47K	2	
R3854	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3855	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3856	D0GZ220J0001	M.RESISTOR CH 22	1	
R3857	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3858	D1H833040002	COMBI.R-R 33	1	
R3861,62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3863	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3866	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3868	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3869	D0GZ220J0001	M.RESISTOR CH 22	1	
R3870	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3871	D1H833040002	COMBI.R-R 33	1	
R3873,74	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3875-78	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	4	
R3879	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3880-82	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3883	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R3884-91	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	8	
R3892-95	D0GZ220J0001	M.RESISTOR CH 22	4	
R3897	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3951,52	D1H847240002	COMBI.R-R 4.7K	2	
R3953	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3954	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3955	D1H84704A008	COMBI.R-R 47	1	
R3956	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3957	EXBV8V102J	COMBI.R-R 1K	1	
R3958,59	D1H847240002	COMBI.R-R 4.7K	2	
R3960	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3961	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3962	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3963,64	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3965	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3966	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3967	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3968,69	D1H84704A008	COMBI.R-R 47	2	
R3970	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4000	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4001	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R4002	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R4100-02	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	3	
R4105	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4107,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4109	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4110	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4111,12	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4201	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4205	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4207,08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R4209	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4215	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4216,17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4218-20	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R4222	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4225-37	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	13	
R4240,41	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4300	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4302	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4303	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4304,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4306	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R4308	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4309	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R4310	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4311	ERJ3RBD242	M.RESISTOR CH 1/16W 2.4K	1	
R4313	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4314-17	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
TG3020-25	EYF6CU	TEST POINT	6	
TP3150,51	EYF6CU	TEST POINT	2	
TP3211,12	EYF6CU	TEST POINT	2	
TP3266	EYF6CU	TEST POINT	1	
TP3323	EYF6CU	TEST POINT	1	
TP3455-59	EYF6CU	TEST POINT	5	
TP3511,12	EYF6CU	TEST POINT	2	
TP3700	EYF6CU	TEST POINT	1	
TP3880,81	EYF6CU	TEST POINT	2	
TP3886	EYF6CU	TEST POINT	1	
VR3700	VRV0113B501	V.RESISTOR 500	1	
VR3701	VRV0113B102	V.RESISTOR 1K	1	D3EC41020001
X3050	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
X3300	VSX0645	CRYSTAL OSCILLATOR	1	
X3671	VSX0973	CRYSTAL OSCILLATOR	1	H1C1385B0001
X3841	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E5	VEP83597D	F5 V OUT P.C.BOARD	1	(RTL)
C3001,02	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	
C3003,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3010	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3011	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3012-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3050	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3051	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3052	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3053-64	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	12	
C3065	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3070-73	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3080-84	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3090-96	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3100	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3101	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3102-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3150	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3151	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3152,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3154	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3155-72	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	18	
C3173	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3200	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3201	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3202	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3203,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3208,09	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	2	
C3210-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3214,15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3216,17	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	F1K1C105A026
C3218-20	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3222,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3224	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3225,26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3227	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3228,29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3230	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3231-35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C3236,37	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	2	
C3238-43	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3244	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3245	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3246-49	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3250	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3251-53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	3	
C3300-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3308-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3312,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3314,15	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	2	
C3316,17	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	2	
C3321	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3323	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3325	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3326-41	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	16	
C3342-44	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3345-47	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	3	
C3359,60	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3400-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3404,05	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3406-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3412	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3413-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3419	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3421	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3422,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3424	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C3425	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3426,27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3429	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C3430,31	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3432	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3433	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C3434-43	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3444	ECJ1VC1H560J	C.CAPACITOR CH 50V 560P	1	
C3445-48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3449-52	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3455,56	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3458	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3459-61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3463	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3464	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3466	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3467	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3468	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3469,70	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3500-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C3508-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	4	
C3512,13	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3514	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3515	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3516	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3517-19	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	3	
C3520,21	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	2	
C3522,23	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C3524-37	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	14	
C3538-40	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	3	
C3541-43	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	3	
C3544,45	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3600	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3601,02	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C3603	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3604	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3605	ECJ1VC1H180J	C.CAPACITOR CH 50V 18P	1	
C3606,07	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C3608	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C3609	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C3610,11	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3612	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3613	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3614	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3615	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	1	
C3617	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3618	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3619-22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3623	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3624	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3625	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3627-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3630,31	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	2	
C3633	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3700,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3702	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3703,04	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3705-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3708	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3709-11	EEVHB0J470	E.CAPACITOR 6.3V 47U	3	
C3712,13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3714,15	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C3716-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3719	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3720-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C3724	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3725	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3726,27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3729	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3731	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3732	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3733	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C3735	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3736	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C3737	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3739	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3741	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3742	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3744	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3745	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3747	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3749	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3752,53	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C3800	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3801-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3900-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C3907	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3908	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D3300-02	MA3068-M	DIODE	3	
D3500-02	MA3068-M	DIODE	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D3600	MA142WK	DIODE	1	
D3601	MA716	DIODE	1	
D3701	MA142K	DIODE	1	
D3703	MA335-R	DIODE	1	
D3704	MA142K	DIODE	1	
FL3200,01	VLF1476	FILTER	2	J0E3504B0004
FL3202	VLF1354	FILTER	1	
FL3400,01	VLF1354	FILTER	2	
IC3010	C0JBAZ001003	IC	1	
IC3011,12	C0JBAZ001121	IC	2	
IC3013	C0JBAZ001137	IC	1	
IC3015	74LCX240MTCX	IC	1	C0JBAZ001775
IC3016	C0JBAZ001121	IC	1	
IC3017	MS51V8221-3G	IC	1	
IC3018	C0JBAE000238	IC	1	
IC3050	C0CBAAB00021	IC	1	
IC3051	74LCX240MTCX	IC	1	C0JBAZ001775
IC3052	C1ZBZ0001836	IC	1	
IC3070	T160G70-1601	IC	1	
IC3080-83	MS51V8221-3G	IC	4	
IC3084	C0JBAZ001102	IC	1	
IC3090	MB87D132	IC	1	C1ZBZ0001516
IC3091-93	C0JBAZ001121	IC	3	
IC3100	UPD65944G020	IC	1	
IC3150	C0CBAAB00021	IC	1	
IC3151,52	C0JBAZ001121	IC	2	
IC3153	C1ZBZ0002123	IC	1	
IC3154	AK6440AF	IC	1	
IC3200	C0CBADD00003	IC	1	
IC3201	C0ZBZ0000504	IC	1	
IC3202	M62370GP	IC	1	C0FBBD000082
IC3203	C0CBADD00003	IC	1	
IC3204	C0ABEB000023	IC	1	
IC3205	C0CBBDB00004	IC	1	
IC3206,07	C0ZBZ0000569	IC	2	
IC3208	NJM2534V	IC	1	
IC3209	C0CBADD00003	IC	1	
IC3300	C0CBADD00003	IC	1	
IC3301	C0CBBDB00004	IC	1	
IC3302	C0CBADD00003	IC	1	
IC3303	C0CBBDB00004	IC	1	
IC3304,05	AD8055AR	IC	2	C0ABGB000013
IC3306	C0ZBZ0000569	IC	1	
IC3307	AD8055AR	IC	1	C0ABGB000013
IC3308-12	C0ZBZ0000569	IC	5	
IC3400	C0CBADD00003	IC	1	
IC3401	C0CBBDB00004	IC	1	
IC3402	C0ABEB000023	IC	1	
IC3404	C0CBADD00003	IC	1	
IC3405	C0CBBDB00004	IC	1	
IC3406	C0ZBZ0000569	IC	1	
IC3407	NJM2534V	IC	1	
IC3408	AD8055AR	IC	1	C0ABGB000013
IC3409	C0ZBZ0000569	IC	1	
IC3410	C0CBADD00003	IC	1	
IC3411	C0CBBDB00004	IC	1	
IC3412	C0CBADD00003	IC	1	
IC3413	C0CBBDB00004	IC	1	
IC3414	C0ZBZ0000569	IC	1	
IC3415	AD8055AR	IC	1	C0ABGB000013
IC3416	C0ZBZ0000569	IC	1	
IC3417	AD8055AR	IC	1	C0ABGB000013
IC3500	C0CBADD00003	IC	1	
IC3501	C0CBBDB00004	IC	1	
IC3502	C0CBADD00003	IC	1	
IC3503	C0CBBDB00004	IC	1	
IC3504,05	C0JBAA000175	IC	2	
IC3506-08	NJM2534V	IC	3	
IC3600	AN91A12S	IC	1	
IC3601	NJM78L09UA	IC	1	C0CBAHC00002
IC3603	C0CBBDB00004	IC	1	
IC3605	C0CBADD00003	IC	1	
IC3606	NJM360M	IC	1	C0BBZB000001

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3607	C0JBAC000242	IC	1	
IC3608	SN74LS221NS	IC	1	
IC3609	C0JBAB000541	IC	1	
IC3700	C0CBADD00003	IC	1	
IC3701	C0CBBDB00004	IC	1	
IC3702	C0JBAS000075	IC	1	
IC3703	NJM360M	IC	1	C0BBZB000001
IC3704	C0JBAZ001591	IC	1	
IC3705-07	C0ABEB000023	IC	3	
IC3710	NJM360M	IC	1	C0BBZB000001
IC3800,01	C0JBAZ001437	IC	2	
IC3802	UPD65650J203	IC	1	C1ZBZ0001380
IC3900-02	C0JBAZ001121	IC	3	
IC3903,04	74LCX240MTCX	IC	2	C0JBAZ001775
IC3905	AN77L03M	IC	1	
ID3010	VVVSI4116	SOFTWARE	1	DOWNLOAD ONLY
IP3010	C1ZBZ0001555	IC	1	
IP3018	C1ZBZ0001555	IC	1	
L3001,02	VLF1151A132	COIL	2	
L3300,01	VLQ0163J560	COIL 56UH	2	
L3302	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3400	VLQ0163J120	COIL 12UH	1	G1C120J00001
L3500	VLQ0163J180	COIL 18UH	1	G1C180J00001
L3600	VLQ0163J101	COIL 100UH	1	
L3601	G1C221J00003	COIL 220UH	1	
L3602	VLQ0163J390	COIL 39UH	1	
L3700	VLQ0163J470	COIL 47UH	1	
L3701	G1C221J00003	COIL 220UH	1	
L3702-05	VLQ0163J470	COIL 47UH	4	
P3001,02	K1KA96B00032	CONNECTOR (MALE)	2	
P3010	K1KA08B00147	CONNECTOR (FEMALE)	1	
Q3200-02	2SB0709A0L	TRANSISTOR	3	
Q3203-06	2SD601A	TRANSISTOR	4	
Q3207-09	2SB0709A0L	TRANSISTOR	3	
Q3210-14	2SD601A	TRANSISTOR	5	
Q3215	2SA1532-B	TRANSISTOR	1	
Q3216	2SB0709A0L	TRANSISTOR	1	
Q3300-02	2SB0709A0L	TRANSISTOR	3	
Q3303-08	2SD601A	TRANSISTOR	6	
Q3400-02	2SB0709A0L	TRANSISTOR	3	
Q3403,04	2SD601A	TRANSISTOR	2	
Q3405,06	2SB0709A0L	TRANSISTOR	2	
Q3407,08	2SD601A	TRANSISTOR	2	
Q3410	2SA1532-B	TRANSISTOR	1	
Q3414	2SA1532-B	TRANSISTOR	1	
Q3415,16	2SB0709A0L	TRANSISTOR	2	
Q3417	2SD601A	TRANSISTOR	1	
Q3500-04	2SA1532-B	TRANSISTOR	5	
Q3505-10	2SB0709A0L	TRANSISTOR	6	
Q3511-16	2SD601A	TRANSISTOR	6	
Q3700	2SB0709A0L	TRANSISTOR	1	
Q3702	2SK608	TRANSISTOR	1	
Q3704	2SK608	TRANSISTOR	1	
R3001	EXBV8V102J	COMBI.R-R 1K	1	
R3010	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3011,12	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3013	EXBV8V102J	COMBI.R-R 1K	1	
R3014	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3015,16	EXBV8V473J	COMBI.R-R 47K	2	
R3017	D0GZ103J0001	M.RESISTOR CH 10K	1	
R3020-22	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3025	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3030	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3031	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3033,34	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3036	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3050	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3051	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3055	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3070	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3080	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3083,84	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3085-88	EXBV8V473J	COMBI.R-R 47K	4	
R3090	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3091	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3093	EXBV8V102J	COMBI.R-R 1K	1	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3150,51	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3152	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3153	EXBV8V473J	COMBI.R-R 47K	1	
R3200	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3201-03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R3204-06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3207,08	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R3209,10	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3213,14	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R3215	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3218,19	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3222	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3223	ERJ3RBD301	M.RESISTOR CH 1/16W 300	1	
R3224,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3226	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3227,28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3229,30	ERJ3RBD301	M.RESISTOR CH 1/16W 300	2	
R3231	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3232	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3233	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3234	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3236	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3237	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3238	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3239	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3240-44	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R3245	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3246,47	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3248	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3249	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3250	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3251	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3252	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3253	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R3254	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3255	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R3256	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3257	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3258	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3259	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3260,61	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R3262	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3263	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3264,65	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	2	
R3266	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3267	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3268	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3300,01	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	2	
R3304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3305	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3306-08	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	3	
R3309-11	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3312-14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3318-20	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	3	
R3321	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3322	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3323	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3324,25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R3326,27	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3328,29	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	2	D0GD121JA003
R3330,31	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3332-35	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	4	D0GD121JA003
R3336	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3337	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3338	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3339	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3340	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3341	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3342	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3343,44	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	2	
R3400,01	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R3402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3403	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3404	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3405	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3406	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3407,08	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3409	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3410	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3411	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3412	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3413	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3414	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3415	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3418	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3419	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3420	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3421	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3424	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3425	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	
R3426	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3428	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3431	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3432	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3433	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3434	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3437	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3439	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3444	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3446	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3447	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3448	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3449	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3450	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3451	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3452	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3453,54	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3456	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3457,58	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	2	
R3461-63	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3464	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3466	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R3467	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3468	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3469	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3471	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R3500	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R3502	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3503-05	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	3	
R3506,07	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3508,09	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3510	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3511	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3512	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R3513	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3514,15	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3516	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3518,19	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3520,21	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R3522	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3523-25	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3526	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	
R3527,28	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R3529-31	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3532-34	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R3535-37	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	3	
R3538-43	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	6	D0GD121JA003
R3544	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3545	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3546	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3547	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3548	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3549	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3550-54	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R3600	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R3601	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3602	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3603	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3604	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3605,06	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3607	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3608	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3609	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3610	ERJ3GEYJ184	M.RESISTOR CH 1/16W 180K	1	
R3611	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3612	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3613	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3614	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3616	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3617,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3700	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3701	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3702	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3703	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3704	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3705	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3706	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3707	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R3708	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3709	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3711,12	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R3713	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3715	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3716	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R3718	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3719,20	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R3723	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R3724	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3725	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3726	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3727	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3728	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3729	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3732,33	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R3735	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3736	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3738	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3739	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3741	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3742	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3743	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3744	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R3745	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3760	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3800-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3805	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3806	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3900-02	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3903-07	D1H833040002	COMBI.R-R 33	5	
R3908	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3909-11	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R3912-16	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3917-24	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
TG3601	EYF6CU	TEST POINT	1	
TG3702	EYF6CU	TEST POINT	1	
TG3800	EYF6CU	TEST POINT	1	
TP3153	EYF6CU	TEST POINT	1	
TP3600	EYF6CU	TEST POINT	1	
TP3701	EYF6CU	TEST POINT	1	
TP3802-04	EYF6CU	TEST POINT	3	
TP3806	EYF6CU	TEST POINT	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
VC3701	ECV1ZW20X53T	TRIMMER	1	
VR3600	EVMEGSA00B14	V.RESISTOR 10K	1	
VR3700	EVMEGSA00B14	V.RESISTOR 10K	1	
X3701	H0D177500007	CRYSTAL OSCILLATOR	1	
X3702	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E6	VEP86326H	F6 SYSCON P.C.BOARD	1	(RTL)
C100-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C108,09	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C110,11	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C112-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C116,17	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C118	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C119	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C120,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C122	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C123-25	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C126	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C127-30	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	4	
C200,01	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	2	
C202,03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C204	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C205	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C206	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C207-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C218	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C219-22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C224-27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C229	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C300	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C301-04	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	4	
C305-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C308-10	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C400-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C405	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C407,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C502-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C600	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C601-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C609,10	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C611-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C614	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C700	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C701	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C702-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C706	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C707	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C708	F1H1H104A783	C.CAPACITOR CH 50V 0.1U	1	
C709	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C710	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C711-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	11	
C722	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C723	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C724	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C725,26	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C727-30	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C800-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C803	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C804	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C805	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C900,01	VCK0152	C.CAPACITOR	2	F1L1C1060016

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C903-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C907,08	VCK0152	C.CAPACITOR	2	F1L1C1060016
C909	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C910	VCK0152	C.CAPACITOR	1	F1L1C1060016
C911,12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C913	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C914	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C915	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C916	ECUX1H821JCV	C.CAPACITOR CH 50V 820P	1	
C917	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C918	VCK0152	C.CAPACITOR	1	F1L1C1060016
C919-22	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C923,24	EEVHP1A330	E.CAPACITOR 10V 33U	2	
C925,26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C927	VCK0152	C.CAPACITOR	1	F1L1C1060016
C1000-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	25	
C1100-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C1106-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C1200-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C1300-02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
D100	MA716	DIODE	1	
D204-08	MA716	DIODE	5	
D500-06	MA716	DIODE	7	
D702	MA147	DIODE	1	
D900,01	MA147	DIODE	2	
D903,04	MA147	DIODE	2	
D1000	MA147	DIODE	1	
D1001-11	MA716	DIODE	11	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC102	C0CBADD00003	IC	1	
IC103	C0CBBDB00004	IC	1	
IC104	C0CBAAB00021	IC	1	
IC105	XC62FP3202P	IC	1	
IC106	C0CBAAB00021	IC	1	
IC201	C0JBAA000174	IC	1	
IC202	C0JBAB000350	IC	1	
IC203	C0JBAA000174	IC	1	
IC300	ADM202JRN	IC	1	C0ZBZ0000171
IC301	C0JBAZ001137	IC	1	
IC304	C3ZBD0000004	IC	1	
IC400,01	C0JBAZ001647	IC	2	
IC402,03	SN75C1168NS	IC	2	
IC405	C0JBAZ001121	IC	1	
IC407	C0JBAZ001121	IC	1	
IC408	C1AB00001890	IC	1	
IC500	C0JBAZ001120	IC	1	
IC502	C0JBAZ000994	IC	1	
IC503	SN74LV04APW	IC	1	C0JBAB000247
IC504	C0JBAB000354	IC	1	
IC505	C0JBAB000350	IC	1	
IC506	C0JBAZ001121	IC	1	
IC600	C1ZBZ0001836	IC	1	
IC700	SN74LV04APW	IC	1	C0JBAB000247
IC701	TL7705CPSB	IC	1	C0EBS0000002
IC702	C0JBAA000174	IC	1	
IC703	C0EBE0000232	IC	1	
IC704	C0JBAA000174	IC	1	
IC705	C0JBAZ001120	IC	1	
IC706	C0JBAA000261	IC	1	
IC707	C0JBAZ001591	IC	1	
IC800	C1AB00000936	IC	1	
IC900	TC4W53FU	IC	1	
IC901	C0ABBB000032	IC	1	
IC902	C0ABBB000196	IC	1	
IC903	C0ABBB000032	IC	1	
IC904	C0BBBA000044	IC	1	
IC905	C0ABBB000196	IC	1	
IC906	C0ABBB000032	IC	1	
IC907	TC4W53FU	IC	1	
IC1000-02	C0ABFB000012	IC	3	
IC1100-03	C0JBAZ001121	IC	4	
IC1104	C0JBAZ001137	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1105	C0JBAZ001121	IC	1	
IC1106	C0JBAA000174	IC	1	
IC1107	C0JBAZ001121	IC	1	
IC1200-03	C0JBAZ001121	IC	4	
IC1204	C0JBAZ000994	IC	1	
IC1205	SN74LV04APW	IC	1	C0JBAB000247
IC1206	C0JBAZ001647	IC	1	
IC1300	C0JBAZ001003	IC	1	
ID200	VVVSI4124	SOFTWARE	1	DOWNLOAD ONLY
ID700	VVVSI4122	SOFTWARE	1	DOWNLOAD ONLY
ID1300	VVVSI4117	SOFTWARE	1	DOWNLOAD ONLY
IP200	C2DBLK000001	IC	1	
IP700	C2DBLK000001	IC	1	
IP1300	C1ZBZ0001555	IC	1	
L100,01	VLF1151A132	COIL	2	
L200-02	VLQ0163J470	COIL 47UH	3	
L600	VLQ0163J470	COIL 47UH	1	
L700-02	VLQ0163J470	COIL 47UH	3	
L6001,02	VLQ0163J470	COIL 47UH	2	
P1,P2	K1KA96B00032	CONNECTOR (MALE)	2	
P200	VJS3791B020	CONNECTOR (FEMALE)	1	
P201	K1KA10A00303	CONNECTOR (MALE)	1	
P700	VJS3791B020	CONNECTOR (FEMALE)	1	
P701	K1KA10A00303	CONNECTOR (MALE)	1	
QR1100	UNR521300L	TRANSISTOR	1	
R100	EXBV8V102J	COMBI.R-R 1K	1	
R200	EXBV8V473J	COMBI.R-R 47K	1	
R201	D1H84704A008	COMBI.R-R 47	1	
R203	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R204	EXBV8V102J	COMBI.R-R 1K	1	
R205	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R206,07	D1H84704A008	COMBI.R-R 47	2	
R209	D1H84704A008	COMBI.R-R 47	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	D0GZ103J0001	M.RESISTOR CH 10K	1	
R212	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R213	D0GZ103J0001	M.RESISTOR CH 10K	1	
R214	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R215	EXBV8V473J	COMBI.R-R 47K	1	
R216	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R217	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R218	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R219	D1H833040002	COMBI.R-R 33	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R223	D0GZ103J0001	M.RESISTOR CH 10K	1	
R224	D1H833040002	COMBI.R-R 33	1	
R228	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R229	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R231,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R233-36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R237	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R246-48	D0GZ103J0001	M.RESISTOR CH 10K	3	
R249-51	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R253-61	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	9	
R264-68	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	5	
R275	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R276,77	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R278	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R280	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R281	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R282	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R283	EXBV8V102J	COMBI.R-R 1K	1	
R284	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R301,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R305	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R307	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R308	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R309	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R313,14	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R316	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R318,19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R321	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R404,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R407	EXBV8V473J	COMBI.R-R 47K	1	
R408-11	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R412	EXBV8V473J	COMBI.R-R 47K	1	
R413,14	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R417,18	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R422	EXBV8V473J	COMBI.R-R 47K	1	
R423	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R424	D1H84704A008	COMBI.R-R 47	1	
R425	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R427	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R434	EXBV8V473J	COMBI.R-R 47K	1	
R437,38	EXBV8V102J	COMBI.R-R 1K	2	
R441	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R500	EXBV8V473J	COMBI.R-R 47K	1	
R502	D1H84704A008	COMBI.R-R 47	1	
R504	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R506	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R508	EXBV8V473J	COMBI.R-R 47K	1	
R509-12	D1H84704A008	COMBI.R-R 47	4	
R518	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R520,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R543	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R601,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R604,05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R607-09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R610	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R611	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R700	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R702	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R703,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R705	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R709	D0GZ103J0001	M.RESISTOR CH 10K	1	
R713	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R715,16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R717	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R718	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R719	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R720	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R721	D1H833040002	COMBI.R-R 33	1	
R724,25	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R726	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R728	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R729,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R731	EXBV8V102J	COMBI.R-R 1K	1	
R733	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R734-37	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R738	EXBV8V473J	COMBI.R-R 47K	1	
R740-42	D1H84704A008	COMBI.R-R 47	3	
R744	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R745	D0GZ103J0001	M.RESISTOR CH 10K	1	
R746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R747	D0GZ103J0001	M.RESISTOR CH 10K	1	
R748	D1H833040002	COMBI.R-R 33	1	
R749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R755-57	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R758	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R764-66	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	3	
R767	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R768	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R769,70	D0GZ103J0001	M.RESISTOR CH 10K	2	
R800	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R803	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R804	EXBV8V473J	COMBI.R-R 47K	1	
R805	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R806-08	EXBV8V473J	COMBI.R-R 47K	3	
R809-11	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R812	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R813	D1H8R0040001	COMBI.R-R 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R815	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R900	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R901	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R903,04	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R906	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R907	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R910,11	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R912	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R913,14	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R917,18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R919	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R920	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R921,22	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R923-25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R926	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R927,28	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R929	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R930	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R931	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R932	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R933	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	
R934	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R935	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R938	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R940,41	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R942,43	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	2	
R944	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R945	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R946	ERJ3RBD512	M.RESISTOR CH 1/16W 5.1K	1	
R947,48	ERJ3RED390	M.RESISTOR CH 1/16W 39	2	
R949	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R950	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R951	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R954	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R956	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R957	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1000	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R1001	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1002-05	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
R1006-10	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R1013	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1016	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1017	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1018	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1019	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1021	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1024	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1027	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	1	
R1028	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1029	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1032	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1035	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1036	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1039	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1042	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1044	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1047	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1050	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R1051	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1052	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1053	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1056	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R1059	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R1060	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1061-66	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	6	
R1067-70	ERJ3GEYJ624	M.RESISTOR CH 1/16W 620K	4	
R1071	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1100	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1102,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1104,05	EXBV8V473J	COMBI.R-R 47K	2	
R1106-08	D1H84704A008	COMBI.R-R 47	3	
R1110,11	D0GZ220J0001	M.RESISTOR CH 22	2	
R1112,13	D1H84704A008	COMBI.R-R 47	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1114	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1115-18	EXBV8V473J	COMBI.R-R 47K	4	
R1119-21	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R1123,24	D1H84704A008	COMBI.R-R 47	2	
R1126	EXBV8V473J	COMBI.R-R 47K	1	
R1128,29	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R1130	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1133	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1200,01	EXBV8V473J	COMBI.R-R 47K	2	
R1202,03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R1204	EXBV8V473J	COMBI.R-R 47K	1	
R1205	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1206-08	D1H84704A008	COMBI.R-R 47	3	
R1209-12	EXBV8V473J	COMBI.R-R 47K	4	
R1213	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1214	EXBV8V473J	COMBI.R-R 47K	1	
R1215	D1H8R0040001	COMBI.R-R 0	1	
R1217,18	D1H8R0040001	COMBI.R-R 0	2	
R1300	EXBV8V102J	COMBI.R-R 1K	1	
R1301	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R1302	D0GZ103J0001	M.RESISTOR CH 10K	1	
R1303	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1304	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
SW200	VSS0367-08B	SWITCH	1	
X200	H0J921400004	CRYSTAL OSCILLATOR	1	
X700	H0J921400004	CRYSTAL OSCILLATOR	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E7	VEP82246E	F7 SERVO P.C.BOARD	1	(RTL)
C1	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C2	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C4	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6,C7	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C8,C9	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	2	
C10,11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C12	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C13,14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C15,16	ECUX1H332KBV	C.CAPACITOR CH 50V 3300P	2	
C17	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C18	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C19	F1J0J475A006	C.CAPACITOR CH6.3V 4.7U	1	
C20,21	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C22-26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C27	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C32,33	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C60	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C61-64	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C69	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C70-73	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	4	
C74-77	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C150,51	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	2	
C152,53	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C154	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C155	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C156,57	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C158	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C160	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C163	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C165,66	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C167-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C172	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C173	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C174	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C201	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C202,03	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	2	
C204-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C208,09	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C210-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C215	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C216	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C217,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C219,20	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	
C221-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C230,31	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	2	
C301-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C310,11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C312	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C351,52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C353	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C354,55	ECUX1H272KBV	C.CAPACITOR CH 50V 2700P	2	
C356-60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C361,62	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	2	
C401,02	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C403,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C405,06	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C407,08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C409,10	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C411	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C412-14	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C415	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C416	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C417	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C418-24	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C425	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C426,27	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C428	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C429,30	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C431	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C432-34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C452	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C453	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C454,55	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C456,57	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C458-60	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C461	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	EEUFC1V101	E.CAPACITOR 35V 100U	1	
C502,03	ECUX1H682KBV	C.CAPACITOR CH 50V 6800P	2	
C504	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C505,06	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C507,08	EEUFC1V101	E.CAPACITOR 35V 100U	2	
C509-11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C512	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C513	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C514	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C515	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C516	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C517-19	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C550,51	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	2	
C552-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C555	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C556	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C557	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C558,59	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	2	
C560	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C561	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C562	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C563	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C564	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C565	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C566	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C567	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C568	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C569	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C570	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C571	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C572	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C573	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C574	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C575	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C576,77	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	2	
C578,79	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C580,81	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	2	
C582	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C583	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C584	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C585	ECUX1E225ZFM	C.CAPACITOR CH 25V 2.2U	1	
C586,87	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C588,89	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	2	
C590,91	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C592,93	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C594,95	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C596,97	F1J1C474A091	C.CAPACITOR CH 16V 0.47U	2	
C598,99	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C600,01	EEVHB0J470	E.CAPACITOR 6.3V 47U	2	
C602,03	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C604,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C606-09	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	4	
C610-13	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C614,15	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C616,17	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C618-23	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	6	
C651-54	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C657,58	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C659	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C660	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C661	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C662	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C663-66	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C667	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C668	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C669-71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C672	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C673	ECUX1C106VBP	C.CAPACITOR CH 16V 10U	1	
C674,75	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C676-78	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C679,80	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C681	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C699,00	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
D1-D4	MA8075-H	DIODE	4	
D5,D6	MA142K	DIODE	2	
D7-D9	MA147	DIODE	3	
D201-03	MA147	DIODE	3	
D353,54	MA147	DIODE	2	
D355,56	MA142K	DIODE	2	
D401,02	MA142K	DIODE	2	
D403-06	MA704A	DIODE	4	
D407	MA147	DIODE	1	
D450,51	MA2J72800L	DIODE	2	
D452,53	MA2Q73600L	DIODE	2	
D500,01	MA2J72800L	DIODE	2	
D502,03	MA2Q73600L	DIODE	2	
D504	MA142K	DIODE	1	
D550,51	MA142K	DIODE	2	
D552-63	MA2Q73800L	DIODE	12	
D564,65	MA147	DIODE	2	
D605,06	MA2Q73800L	DIODE	2	
D609-12	MA2Q73800L	DIODE	4	
D651	MA142K	DIODE	1	
D652-55	MA142WK	DIODE	4	
D656	MA147	DIODE	1	
D657	MA142WK	DIODE	1	
D658	MA142WA	DIODE	1	
D659	MA8051-M	DIODE	1	
D660	MA8082-H	DIODE	1	
D661	MA142WK	DIODE	1	
D662	MA142K	DIODE	1	
D663	MAZ80330HL	DIODE	1	
D664	MA8039-H	DIODE	1	MAZ80390HL
D665	MA8075-H	DIODE	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D666	MA2Q73800L	DIODE	1	
D667	MA142K	DIODE	1	
D668-70	MA2Q73800L	DIODE	3	
D671,72	MA142WK	DIODE	2	
IC1	C0JBAZ000994	IC	1	
IC2	C0ABBB000179	IC	1	
IC3	TC4052BF	IC	1	
IC5	C0ABBB000179	IC	1	
IC7	C0ABBB000179	IC	1	
IC8	TC4052BF	IC	1	
IC10	C0ABBB000179	IC	1	
IC61,62	C0ABBB000184	IC	2	
IC63,64	C0BBBA000044	IC	2	
IC103	C0JBAZ000994	IC	1	
IC151	C0ABBB000179	IC	1	
IC152	C0ABBB000184	IC	1	
IC153	C0BBBA000044	IC	1	
IC154	C0JBAZ000994	IC	1	
IC155	C0ABBB000179	IC	1	
IC156	C0BBBA000044	IC	1	
IC157	C0ABBB000184	IC	1	
IC158	C0ABBA000075	IC	1	
IC204	C0JBAB000397	IC	1	
IC206-08	C0JBAZ001121	IC	3	
IC301	C0JBAZ001121	IC	1	
IC302	C0JBAZ001003	IC	1	
IC354	M62370GP	IC	1	C0FBBD000082
IC355,56	C0ABBB000179	IC	2	
IC357	C0ABBA000075	IC	1	
IC401	C0ABBA000075	IC	1	
IC402,03	NJM78L09UA	IC	2	C0CBAHC00002
IC404	C0CBABD00005	IC	1	
IC405	C0CBADD00003	IC	1	
IC406,07	NJM79L09UA	IC	2	C0CABBF00001
IC408	C0CBBDB00004	IC	1	
IC501	C0BBBA000044	IC	1	
IC502	C0ABBB000184	IC	1	
IC503	TL1451CNS	IC	1	C0DBAMA00001
IC551	C0BBBA000044	IC	1	
IC552	C0ABBB000179	IC	1	
IC553,54	AN3834S	IC	2	
IC555	C0ABBB000179	IC	1	
IC600,01	AN3890FBS	IC	2	
IC650	C0JBAZ001120	IC	1	
IC651	C0JBAM000111	IC	1	
IC652	C0ABBA000075	IC	1	
IC653	C0JBAM000052	IC	1	
IC654	C0JBAZ001120	IC	1	
IC655,56	BA6238A	IC	2	C0GAK0000007
IC658	C0BBBA000044	IC	1	
IC659	C0JBAF000487	IC	1	
IC660-62	C0JBAM000111	IC	3	
ID201	VVVSI4126	SOFTWARE	1	DOWNLOAD ONLY
ID300	VVVSI3888	SOFTWARE	1	DOWNLOAD ONLY
IP201	MN1030F04KHF	IC	1	
IP300	EPM3256A1410	IC	1	
L401,02	VLF1151A132	COIL	2	
L451,52	VLQ0504331K	COIL 330UH	2	G0A331F00001
L453	VLQ0407120M	COIL 12UH	1	G0A120HA0007
L500,01	VLQ0504331K	COIL 330UH	2	G0A331F00001
P202	VJS3791B020	CONNECTOR (FEMALE)	1	
P300	K1KA08B00147	CONNECTOR (FEMALE)	1	
P700,01	K1KA96B00032	CONNECTOR (MALE)	2	
Q1	2SD601A	TRANSISTOR	1	
Q2,Q3	2SB0709A0L	TRANSISTOR	2	
Q4	2SD601A	TRANSISTOR	1	
Q5	2SB0709A0L	TRANSISTOR	1	
Q6	2SD601A	TRANSISTOR	1	
Q401,02	2SD601A	TRANSISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q450,51	2SB1073	TRANSISTOR	2	
Q500,01	2SB1174-Q	TRANSISTOR	2	2SB11740Q
Q551-56	2SD1624-S	TRANSISTOR	6	
Q600	PU3210	TRANSISTOR	1	PUA3210
Q601	PU3110	TRANSISTOR	1	PUA3110
Q604	PU3210	TRANSISTOR	1	PUA3210
Q605	PU3110	TRANSISTOR	1	PUA3110
Q650	2SD601A	TRANSISTOR	1	
Q651	2SB710A	TRANSISTOR	1	
Q652	2SB936A-Q	TRANSISTOR	1	
Q653,54	2SB766	TRANSISTOR	2	
Q655,56	2SB1073-R	TRANSISTOR	2	
QR1-R5	UNR521300L	TRANSISTOR	5	
QR6	UNR511300L	TRANSISTOR	1	
QR7	UN5215	TRANSISTOR-RESISTOR	1	
QR8	UNR511500L	TRANSISTOR	1	
QR500,01	UNR511100L	TRANSISTOR	2	
QR550-53	UN5215	TRANSISTOR-RESISTOR	4	
QR600	UNR521300L	TRANSISTOR	1	
QR601	UN5217	TRANSISTOR-RESISTOR	1	
QR602	UNR521400L	TRANSISTOR-RESISTOR	1	
QR651	UNR521300L	TRANSISTOR	1	
QR654	UNR521300L	TRANSISTOR	1	
QR655,56	UNR521400L	TRANSISTOR-RESISTOR	2	
QR657	UNR521300L	TRANSISTOR	1	
QR658	UNR511300L	TRANSISTOR	1	
QR659-63	UNR521400L	TRANSISTOR-RESISTOR	5	
QR664	UNR511300L	TRANSISTOR	1	
QR665-68	UNR521400L	TRANSISTOR-RESISTOR	4	
QR669	UNR511300L	TRANSISTOR	1	
R1	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R7	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R8	ERJ3GEYJ512	M.RESISTOR CH 1/16W 5.1K	1	
R9	ERJ3GEYJ912	M.RESISTOR CH 1/16W 9.1K	1	
R10	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R12	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R13	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R14	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R15	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R16	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R18	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R19	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R20	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R21	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R22	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R23	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	1	
R24,25	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R26	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R27	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R28	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R29,30	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R31	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R32	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R33	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R34-36	ERJ3RBD471	M.RESISTOR CH 1/16W 470	3	
R37	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R38,39	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	2	
R40,41	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R42	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R43	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R44,45	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R46	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R47	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R48	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R49	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R50	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R58	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R59	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R60	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R61	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R62	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R63	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R64	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R65	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R66	ERJ3RBD912	M.RESISTOR CH 1/16W 9.1K	1	
R67	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R68	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R69	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R70	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R71	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R72	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R73	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R74	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R75	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R76-79	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	4	
R80,81	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R82-85	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	4	
R86-89	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	4	
R90-93	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	4	
R94-97	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	4	
R98	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R99	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R100,01	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R102,03	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R104	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R105	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R106-09	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	4	
R141	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R142	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R143	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R145	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R146	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R150	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R151	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R152	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R153	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R154,55	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R156	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R157	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R158	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R159	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	
R160,61	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	2	
R162,63	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R164,65	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	2	
R168,69	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	
R170	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R171	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R172	ERJ3GEYJ824	M.RESISTOR CH 1/16W 820K	1	
R173	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R174,75	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R176,77	ERJ3GEYJ274	M.RESISTOR CH 1/16W 270K	2	
R178,79	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	2	
R180,81	D0GB123JA002	M.RESISTOR CH 1/16W 12K	2	
R182,83	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R184,85	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R186,87	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	2	
R188,89	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R190,91	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R192,93	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	2	
R194	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R195,96	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R197	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R198	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R201,02	D1H84704A008	COMBI.R-R 47	2	
R203	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R204	EXBV8V473J	COMBI.R-R 47K	1	
R206	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R207	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R209,10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R211	EXBV8V101J	COMBI.R-R 100	1	
R212	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R213	EXBV8V473J	COMBI.R-R 47K	1	
R214,15	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R216	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R218	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R219	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R220	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R221	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R222	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R223	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R224-27	D1H84704A008	COMBI.R-R 47	4	
R228	EXBV8V473J	COMBI.R-R 47K	1	
R229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R230	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R233-35	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	3	
R236-40	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	5	
R241,42	D1H84704A008	COMBI.R-R 47	2	
R243	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R244	D1H84704A008	COMBI.R-R 47	1	
R245	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R246	D1H84704A008	COMBI.R-R 47	1	
R247,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R302	EXBV8V102J	COMBI.R-R 1K	1	
R303	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R305,06	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R307	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R308	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R309,10	D1H84704A008	COMBI.R-R 47	2	
R311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R318	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R319	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R363	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R364,65	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	2	
R366,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R368,69	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R370,71	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	2	
R372	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R373	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R374,75	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	2	
R376	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R377	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	
R378-80	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R381	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R382	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R383	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R384	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R385	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R386	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R401,02	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R403	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R405,06	ERJ6RBD391	M.RESISTOR CH 1/10W 390	2	
R407	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R408-11	ERJ6RBD391	M.RESISTOR CH 1/10W 390	4	
R412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R450,51	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R452,53	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R454,55	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R458	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
⚠ R459	K5H2523A0001	FUSE	1	
R500,01	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R502,03	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R504,05	ERJ12YJ471	M.RESISTOR CH 1/2W 470	2	
R506	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R507	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R508	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R509	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R511	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R512	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R513	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R514,15	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R516	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R517	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R518	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R519,20	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R521	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R522	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R523	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R524,25	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R526,27	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	2	
R528	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R529	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R530	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R531,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R535	ERJ8GEY0R00	M.RESISTOR CH 1/8W 0	1	
R551-53	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	
R554	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R555	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R556	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R557	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R558,59	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	2	
R560	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R561	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R562,63	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R564	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R565	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R566,67	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R568	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R569	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R570	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	1	
R571	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R572,73	ERJ12YJ2R2	M.RESISTOR CH 1/2W 2.2	2	
R574,75	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	2	
R576	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R577	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R578	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R579	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R580-83	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	4	
R584,85	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R586,87	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R588,89	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	
R590-95	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	6	
R600	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R601,02	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R603	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R605,06	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R607,08	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R609,10	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R611,12	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R613-18	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	6	
R619	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R651-53	EXBV8V473J	COMBI.R-R 47K	3	
R654	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R655	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R656	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R657-60	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R661	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R662	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R663	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R664	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R666	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R667	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R668	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R669,70	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R671-75	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	5	D0GB103JA002
R676,77	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R678	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R679,80	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R681-83	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R684	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
R685	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R686	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	1	
R687	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R688	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	D0GD222JA003
R689,90	ERJ8GEYJ681	M.RESISTOR CH 1/8W 680	2	
R691,92	ERJ8GEYJ181	M.RESISTOR CH 1/8W 180	2	
R693	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R694	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R695	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R696	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R697	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R698	ERJ8GEYJ102	M.RESISTOR CH 1/8W 1K	1	
R702	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	1	
R703	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R704,05	ERJ3GEYJ394	M.RESISTOR CH 1/16W 390K	2	
R706	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R709	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R710	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R711,12	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	2	
R713,14	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	2	
R715	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R716,17	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
TG1,G2	EYF6CU	TEST POINT	2	
TG4	EYF6CU	TEST POINT	1	
TP1	EYF6CU	TEST POINT	1	
TP30,31	EYF6CU	TEST POINT	2	
TP80-83	EYF6CU	TEST POINT	4	
TP120-23	EYF6CU	TEST POINT	4	
TP160-63	EYF6CU	TEST POINT	4	
TP201	EYF6CU	TEST POINT	1	
TP230-35	EYF6CU	TEST POINT	6	
TP280-82	EYF6CU	TEST POINT	3	
TP300,01	EYF6CU	TEST POINT	2	
TP320	EYF6CU	TEST POINT	1	
TP651,52	EYF6CU	TEST POINT	2	
X201	VSX0918	CRYSTAL OSCILLATOR	1	H0J250500005
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
■ E8	VEP85207B	F8 RF EQ P.C.BOARD	1	(RTL)
C5002-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C5101,02	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5104,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5106	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5108,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5110	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5111-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C5201-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	15	
C5301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5304,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5309,10	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C5311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5312-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C5316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C5319	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C5320,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5331	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C5333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C5334,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C5340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C5354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5356,57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5360,61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5363	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5364	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C5365	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5366	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C5367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C5370,71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C5701-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C5710-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5713	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5714	F1J1C474A091	C.CAPACITOR CH 16V 0.47U	1	
C5715-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5718	ECJ2YB0J225K	C.CAPACITOR CH6.3V 2.2U	1	
C5719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5720	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C5723-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	18	
C5901	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5904	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5905	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5906	ECUX1E681JCV	C.CAPACITOR CH 25V 680P	1	
C5907	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5908,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5914	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	
C5915	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C5916,17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5918-20	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	
C5921-23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5924	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C5926,27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5928	ECUX1H182KBV	C.CAPACITOR CH 50V 1800P	1	
C5929	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5930,31	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5932	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C5933	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5934	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5936	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5937,38	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5939	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C5940	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5941	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5943	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5944,45	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5946	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C5947	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5948	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5950	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5951,52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5953	F1L1A4760003	C.CAPACITOR CH 16V 47U	1	
C5954	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5955	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5957	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6301	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6302,03	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C6304,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6306	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6308	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6309,10	ECJ1VC1H330J	C.CAPACITOR CH 50V 33P	2	
C6311	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6312-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C6316,17	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6318	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C6319	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6320,21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6328	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C6329	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6331	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6332	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6333	ECUX1C683KBV	C.CAPACITOR CH 16V 0.068U	1	
C6334,35	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6336	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6338	ECUX1H680JCV	C.CAPACITOR CH 50V 68P	1	
C6340	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C6342	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C6346	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C6350	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	
C6354	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6356,57	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6358,59	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6360,61	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6362	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C6363	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6364	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C6365	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6366	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C6367,68	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C6370,71	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C6372	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C6701-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C6710-12	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6713	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C6714	F1J1C474A091	C.CAPACITOR CH 16V 0.47U	1	
C6715-17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C6718	ECJ2YB0J225K	C.CAPACITOR CH6.3V 2.2U	1	
C6719	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C6720	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C6721,22	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	2	
C6723-40	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	18	
D5901	MA2P701A0L	DIODE	1	
IC5001	C0JBAZ001003	IC	1	
IC5002	SN74LV04APW	IC	1	C0JBAB000247
IC5003	C0JBAA000174	IC	1	
IC5004	C0JBAZ001003	IC	1	
IC5006	TC4W53FU	IC	1	
IC5007	C0HBZ0000036	IC	1	
IC5101	DS90LV048AC	IC	1	
IC5102,03	TLCX240FT	IC	2	
IC5104	DS90LV047AC	IC	1	
IC5105	TLCX240FT	IC	1	
IC5106	DS90LV047AC	IC	1	
IC5107	74LCX74MTCX	IC	1	C0JBAF000406
IC5108	DS90LV047AC	IC	1	
IC5109	74LCX574MTCX	IC	1	C0JBAF000448
IC5110	C0ABEB000023	IC	1	
IC5111	C0JBAZ001867	IC	1	
IC5201	M62370GP	IC	1	C0FBBD000082
IC5202-05	C0JBAS000075	IC	4	
IC5206-08	C0ABFB000012	IC	3	
IC5209	C0JBAZ001003	IC	1	
IC5301	MC1495D	IC	1	
IC5302	UPC1663G	IC	1	C1CB00000329
IC5304	UPC1663G	IC	1	C1CB00000329
IC5305	TC4W53FU	IC	1	
IC5306	UPC1663G	IC	1	C1CB00000329
IC5701	C0ABBB000158	IC	1	
IC5702	MN673798	IC	1	
IC5703	C0JBAZ001867	IC	1	
IC5704	C0ABEB000023	IC	1	
IC5901	TC4W53FU	IC	1	
IC5902	NJM1496V	IC	1	
IC5903	C0ABEB000023	IC	1	
IC5904	LM2940S-5.0	IC	1	C0CBADG00007
IC5905	LM2990S-5.0	IC	1	
IC5906,07	LT1086CM	IC	2	C0CBAYG00001
IC6301	MC1495D	IC	1	
IC6302	UPC1663G	IC	1	C1CB00000329
IC6304	UPC1663G	IC	1	C1CB00000329
IC6305	TC4W53FU	IC	1	
IC6306	UPC1663G	IC	1	C1CB00000329
IC6701	C0ABBB000158	IC	1	
IC6702	MN673798	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC6703	C0JBAZ001867	IC	1	
IC6704	C0ABEB000023	IC	1	
L5301	VLQ0163MR27	COIL 0.27UH	1	
L5302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L5303,04	VLQ0163J101	COIL 100UH	2	
L5305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L5308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L5309	G1C5R6J00001	COIL 5.6UH	1	
L5901	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5902	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5903	VLQ0163J4R7	COIL 4.7UH	1	G1C4R7J00004
L5904	VLQ0163JR82	COIL 0.82UH	1	G1CR82J00002
L5905-08	VLF1151A132	COIL	4	
L6301	VLQ0163MR27	COIL 0.27UH	1	
L6302	VLQ0163JR47	COIL 0.47UH	1	G1CR47J00004
L6303,04	VLQ0163J101	COIL 100UH	2	
L6305	VLQ0163JR33	COIL 0.33UH	1	G1CR33J00002
L6308	VLQ0163JR27	COIL 0.27UH	1	G1CR27J00002
L6309	G1C5R6J00001	COIL 5.6UH	1	
P5901	K1KA96B00032	CONNECTOR (MALE)	1	
Q5101	2SC3930	TRANSISTOR	1	
Q5301	2SC3930	TRANSISTOR	1	
Q5302	2SD1979	TRANSISTOR	1	
Q5303	XN6537	TRANSISTOR-RESISTOR	1	
Q5304	2SD1979	TRANSISTOR	1	
Q5305	2SC3930	TRANSISTOR	1	
Q5306	XP6534	TRANSISTOR-RESISTOR	1	
Q5307,08	2SD1979	TRANSISTOR	2	
Q5309	XP6534	TRANSISTOR-RESISTOR	1	
Q5310,11	2SK508K512	TRANSISTOR	2	
Q5312	2SC3930	TRANSISTOR	1	
Q5313	XP6534	TRANSISTOR-RESISTOR	1	
Q5318	2SC3930	TRANSISTOR	1	
Q5319	XP6534	TRANSISTOR-RESISTOR	1	
Q5320,21	2SC3930	TRANSISTOR	2	
Q5323	2SC3930	TRANSISTOR	1	
Q5701	XP0650100L	TRANSISTOR	1	
Q5901	2SC3930	TRANSISTOR	1	
Q5902	XP6534	TRANSISTOR-RESISTOR	1	
Q5909-11	2SC3930	TRANSISTOR	3	
Q6301	2SC3930	TRANSISTOR	1	
Q6302	2SD1979	TRANSISTOR	1	
Q6303	XN6537	TRANSISTOR-RESISTOR	1	
Q6304	2SD1979	TRANSISTOR	1	
Q6305	2SC3930	TRANSISTOR	1	
Q6306	XP6534	TRANSISTOR-RESISTOR	1	
Q6307,08	2SD1979	TRANSISTOR	2	
Q6309	XP6534	TRANSISTOR-RESISTOR	1	
Q6310,11	2SK508K512	TRANSISTOR	2	
Q6312	2SC3930	TRANSISTOR	1	
Q6313	XP6534	TRANSISTOR-RESISTOR	1	
Q6318	2SC3930	TRANSISTOR	1	
Q6319	XP6534	TRANSISTOR-RESISTOR	1	
Q6320,21	2SC3930	TRANSISTOR	2	
Q6323	2SC3930	TRANSISTOR	1	
Q6701	XP0650100L	TRANSISTOR	1	
R5001	EXBV8V473J	COMBI.R-R 47K	1	
R5002,03	EXBV8V101J	COMBI.R-R 100	2	
R5004	EXBV8V473J	COMBI.R-R 47K	1	
R5009,10	EXBV8V101J	COMBI.R-R 100	2	
R5011-13	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5014,15	EXBV8V473J	COMBI.R-R 47K	2	
R5017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5020	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5021	D0GZ103J0001	M.RESISTOR CH 10K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	EXBV8V473J	COMBI.R-R 47K	1	
R5024	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5025	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5026	D0GZ220J0001	M.RESISTOR CH 22	1	
R5027	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5028	EXBV8V473J	COMBI.R-R 47K	1	
R5029	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5030	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5031	D0GZ220J0001	M.RESISTOR CH 22	1	
R5032	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5101-03	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5104	D0GZ220J0001	M.RESISTOR CH 22	1	
R5105	EXBV8V102J	COMBI.R-R 1K	1	
R5106	D0GZ220J0001	M.RESISTOR CH 22	1	
R5108,09	EXBV8V102J	COMBI.R-R 1K	2	
R5110	D0GZ220J0001	M.RESISTOR CH 22	1	
R5111	EXBV8V102J	COMBI.R-R 1K	1	
R5112	D0GZ220J0001	M.RESISTOR CH 22	1	
R5114-16	EXBV8V102J	COMBI.R-R 1K	3	
R5117	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5121,22	EXBV8V102J	COMBI.R-R 1K	2	
R5123	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5124	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5125	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	
R5126	ERJ3GEYJ203	M.RESISTOR CH 1/16W 20K	1	
R5127	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5128	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5129	ERJ3GEYJ242	M.RESISTOR CH 1/16W 2.4K	1	
R5130	ERJ3GEYJ122	M.RESISTOR CH 1/16W 1.2K	1	
R5131	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R5132	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5133	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5134	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5135	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5136,37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5138	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5139	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5142	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5201	EXBV8V473J	COMBI.R-R 47K	1	
R5202	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R5203	D0GZ220J0001	M.RESISTOR CH 22	1	
R5204	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5205	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R5206,07	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5208	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5209	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5210,11	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5212	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5213	EXBV8V101J	COMBI.R-R 100	1	
R5214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5215	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R5216,17	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	2	
R5218	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R5219	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5220,21	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	2	
R5222	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5223,24	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5225	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5226	EXBV8V101J	COMBI.R-R 100	1	
R5227,28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5229	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5231,32	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5233	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5234	EXBV8V101J	COMBI.R-R 100	1	
R5235,36	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5237	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5239	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5241	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5243	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5301	D1H84704A008	COMBI.R-R 47	1	
R5302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R5303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5307	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R5308	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R5309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R5315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R5317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R5335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R5337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R5339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R5359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R5363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R5388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R5390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5401	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5402-04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R5405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5409	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R5417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R5419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R5704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R5711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R5712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R5713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R5714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R5720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R5723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5724	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R5725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5726	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R5727	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R5732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R5733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R5739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R5750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5845	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5901	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5902	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5903	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5904,05	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5906	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	1	
R5907	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5908	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5909	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5910	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5912	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5915,16	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R5921	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5922	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R5923	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5924	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R5925-28	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R5929	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5930-33	ERJ3GEYJ560	M.RESISTOR CH 1/16W 56	4	
R5934	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R5935	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R5936,37	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R5938	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5939	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R5940	ERJ3RBD152	M.RESISTOR CH 1/16W 1.5K	1	
R5941	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5942	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R5943	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R5944	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R5945	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R5946	ERJ3RBD181	M.RESISTOR CH 1/16W 180	1	
R5947	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R5948	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R5949	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R5950	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6301	D1H84704A008	COMBI.R-R 47	1	
R6302	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6303	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6304	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6305	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6306	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6307	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6308	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R6309	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R6310	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6311	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6312,13	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6314	ERJ3RBD561	M.RESISTOR CH 1/16W 560	1	
R6315	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6316	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R6317	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6318	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6319	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6320	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6321,22	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6323	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6324,25	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R6326	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6327	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6328,29	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6330	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6331	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6332	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6333	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6334	ERJ3RED680	M.RESISTOR CH 1/16W 68	1	
R6335	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6336	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	
R6337	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6338	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R6339	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6340,41	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6342,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6346,47	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6348	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6349	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6350	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6351	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6352	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6353	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6354	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6355	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6356	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6357	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6358	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	
R6359	ERJ3RBD121	M.RESISTOR CH 1/16W 120	1	
R6360	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6361,62	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	2	
R6363	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6364	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6365	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6366	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6367	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6368	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6369	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6370	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6371	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6372	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6373	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6379	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6381	ERJ3RED470	M.RESISTOR CH 1/16W 47	1	
R6382	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6383,84	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6385,86	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6387	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R6388,89	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	2	
R6390	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6391	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6392	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6393	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6394	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R6395	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6396	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R6397	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6398	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6399	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6400	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R6401	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6402-04	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	3	
R6405	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6409	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R6410	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6411	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R6412,13	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6414,15	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6416	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	
R6417,18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R6419	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6701	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6702,03	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R6704	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6705,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R6707,08	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6709	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R6710	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R6711	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R6712	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R6713	ERJ3GEYJ751	M.RESISTOR CH 1/16W 750	1	
R6714	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6715	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6716	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6717	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R6720	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6721	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6722	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	
R6723	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R6724	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R6725	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6726	D0GB123JA002	M.RESISTOR CH 1/16W 12K	1	
R6729	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R6730,31	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R6732	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R6733	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R6734	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6735-37	D0GZ220J0001	M.RESISTOR CH 22	3	
R6739	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6741-43	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R6746	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6747	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6748	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R6749	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R6750	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R6845	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
TG5101,02	EYF6CU	TEST POINT	2	
TP5101-03	EYF6CU	TEST POINT	3	
TP5301	EYF6CU	TEST POINT	1	
TP5701,02	EYF6CU	TEST POINT	2	
TP5901	EYF6CU	TEST POINT	1	
TP6301	EYF6CU	TEST POINT	1	
TP6701,02	EYF6CU	TEST POINT	2	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	
	VSC4609	SHIELD CASE	2	
	VWZ0212	THERMAL CONDUCTIVE TUBE	2	
	XYN3+K6	SCREW	4	
	VMP6464	HEAT SINK HOLDER ANGLE A	2	
■ E9	VEP85217A	RF CUE P.C.BOARD	1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C4002	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4004	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C4006-09	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	4	
C4010,11	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C4012	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C4013	ECHU1C822JB	P.CAPACITOR 16V 8200P	1	
C4014	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4015,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4018	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4020	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4021,22	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4024	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	1	
C4025	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C4026	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4028	VCC0030	C.CAPACITOR	1	
C4030,31	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4034-36	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C4037,38	ECUX1C106KBP	C.CAPACITOR CH 16V 10U	2	
C4039	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C4040	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C4041	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C4042	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C4043	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C4044	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C4047,48	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C4049	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C4050	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C4051,52	ECHS1682JZ	P.CAPACITOR 100V 6800P	2	
C4053	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C4055	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	1	
C5001-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C5011-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5015	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5016-18	F1L1A4760003	C.CAPACITOR CH 16V 47U	3	
C5101	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5102	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C5103	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5104	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5105	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5106,07	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5108	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5109	ECJ1VC1H220J	C.CAPACITOR CH 50V 22P	1	
C5110	ECJ1VC1H181J	C.CAPACITOR CH 50V 180P	1	
C5111	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	1	
C5112	ECUX1H120JCV	C.CAPACITOR CH 50V 12P	1	
C5113,14	ECUX1H030CCV	C.CAPACITOR CH 50V 3P	2	
C5201-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	8	
C5212,13	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C5216	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5218	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C5220	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5222	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	
C5224	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C5225,26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5605-08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5609,10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5611,12	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5613	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5614-18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C5639-42	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	
C5643,44	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5645,46	ECUX1C105KBN	C.CAPACITOR CH 10V 1U	2	
C5647	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5648-52	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C5901	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5902	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5903,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5905	F1K1C475A043	C.CAPACITOR CH 16V 4.7U	1	
C5906	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5907-09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5910	F1K1C475A043	C.CAPACITOR CH 16V 4.7U	1	
C5911	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5912	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C5913	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5917	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5918	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5919-21	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C5922	F1K1C475A043	C.CAPACITOR CH 16V 4.7U	1	
C5923	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5924	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5925	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C5926,27	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C5928	F1K1C475A043	C.CAPACITOR CH 16V 4.7U	1	
D4001	MA142K	DIODE	1	
D4003	MA716	DIODE	1	
D4004,05	MA142K	DIODE	2	
D5001	MA142K	DIODE	1	
D5002	MA3J14300L	DIODE	1	
D5201-04	MA142WK	DIODE	4	
D5602	MA142WK	DIODE	1	
D5901	MA716	DIODE	1	
FL4001	G2A193C00001	COIL	1	
IC4001,02	C0ABBB000184	IC	2	
IC4003	NJM78L09UA	IC	1	C0CBAHC00002
IC4005	C0CBADD00003	IC	1	
IC4006	C0CBBDB00004	IC	1	
IC4007	NJM78L09UA	IC	1	C0CBAHC00002
IC5001	C0JBAZ001437	IC	1	
IC5002	C0JBAB000541	IC	1	
IC5003	TC4S30F	IC	1	C0JBAZ000429
IC5004,05	C0JBAA000175	IC	2	
IC5006	TC4S30F	IC	1	C0JBAZ000429
IC5201-04	TC4S30F	IC	4	C0JBAZ000429
IC5205	LT1175CS8	IC	1	
IC5603	UPC5102GS030	IC	1	C1ZBZ0001316
IC5607	UPC5102GS030	IC	1	C1ZBZ0001316
IC5901	C0CBADD00003	IC	1	
IC5903	C0CBBDB00004	IC	1	
L4001	VLQ0423J472	COIL 4700UH	1	
L4004	VLQ0651K181	COIL 180UH	1	G1C181KA0013
L4005	VLQ0651K391	COIL 390UH	1	G1C391KA0013
L5101-04	VLQ0163J2R2	COIL 2.2UH	4	G1C2R2J00009
L5201,02	VLQ0319K330	COIL 33UH	2	G1C330KA0002
L5901-07	VLF1151A132	COIL	7	
P4001	VJP2278	CONNECTOR (MALE)	1	K1KA09A00087
P5901	VJS3375B080	CONNECTOR (FEMALE)	1	K1KB80B00010
P5902	VJS3900C010	CONNECTOR (FEMALE)	1	K1MN10A00034
P5903	VJS3900C013	CONNECTOR (FEMALE)	1	K1MN13A00023
Q4001	2SB779-R	TRANSISTOR	1	
Q4003	2SD874-R	TRANSISTOR	1	
Q4005	2SB792-R	TRANSISTOR	1	
Q4006,07	2SD1149-R	TRANSISTOR	2	
Q4008,09	2SD1979	TRANSISTOR	2	
Q4010	2SB779-R	TRANSISTOR	1	
Q4011	2SD874-R	TRANSISTOR	1	
Q5001	2SB1218A0L	TRANSISTOR	1	
Q5002	2SD1819A-R	TRANSISTOR	1	
Q5101	2SB0709A0L	TRANSISTOR	1	
Q5102,03	2SC3735B35	TRANSISTOR	2	
Q5104	2SB0709A0L	TRANSISTOR	1	
Q5105,06	2SC3735B35	TRANSISTOR	2	
Q5201-04	XP0150400L	TRANSISTOR	4	
Q5207,08	2SD1979	TRANSISTOR	2	
Q5209-11	2SC3935	TRANSISTOR	3	
Q5212,13	2SC4536	TRANSISTOR	2	
Q5214	2SC3935	TRANSISTOR	1	
Q5215	2SA153200L	TRANSISTOR	1	
Q5216,17	2SC4536	TRANSISTOR	2	
Q5601,02	XP6534	TRANSISTOR-RESISTOR	2	
Q5605	XP4506	TRANSISTOR-RESISTOR	1	
Q5606,07	XP6534	TRANSISTOR-RESISTOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR4001	UNR511300L	TRANSISTOR	1	
QR4003	UNR521300L	TRANSISTOR	1	
QR4005	UNR521300L	TRANSISTOR	1	
QR4006	UN5215	TRANSISTOR-RESISTOR	1	
QR4007,08	UNR511300L	TRANSISTOR	2	
QR4009,10	UNR521300L	TRANSISTOR	2	
QR5001,02	UNR511100L	TRANSISTOR	2	
QR5004	UNR521100L	TRANSISTOR	1	
QR5101,02	UNR521100L	TRANSISTOR	2	
QR5201-03	UNR511100L	TRANSISTOR	3	
R4001	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4002	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4003	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4005	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R4006	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R4007	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4009	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R4010	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4011	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4013	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R4014	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4017	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4020	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	1	
R4021	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4022	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4023	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4025	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4026	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4027	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4028	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4029	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4030	ERJ3GEYJ1R0	M.RESISTOR CH 1/16W 1	1	
R4032	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R4033	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4034	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R4035	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R4036	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R4037	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R4038	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R4039	ERJ8GEYJ1R0	M.RESISTOR CH 1/8W 1	1	
R4040	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R4041	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R4042	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4043,44	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R4045	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4046	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4047,48	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R4049	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R4050	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R4051	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R4054	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R5001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R5003	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R5004	EXBV8V473J	COMBI.R-R 47K	1	
R5006	EXBV8V101J	COMBI.R-R 100	1	
R5008	EXBV8V473J	COMBI.R-R 47K	1	
R5009,10	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5011-13	EXBV8V101J	COMBI.R-R 100	3	
R5019	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5020	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R5021	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5022	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5023	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R5101	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5102	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5103	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5104	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5106	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5107	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5108	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5109	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R5110	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5111	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R5112	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5113	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R5114	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R5115	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5116	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5118	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5119	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5120	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5121	ERJ6RED470	M.RESISTOR CH 1/10W 47	1	
R5122	ERJ3RED560	M.RESISTOR CH 1/16W 56	1	
R5123	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R5124	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5202,03	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5204-07	EXB24V472J	COMBI.R-R 4.7K	4	
R5208,09	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5210	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5211,12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R5217,18	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	2	D0GD222JA003
R5219,20	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R5230	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5232	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	
R5233	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R5234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5235	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R5236-38	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	3	
R5239,40	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R5241,42	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5243	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5244	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5245,46	ERJ3RED820	M.RESISTOR CH 1/16W 82	2	
R5247	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R5248	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R5249,50	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	2	
R5251	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R5252	ERJ12YJ560	M.RESISTOR CH 1/2W 56	1	
R5253-56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R5257	ERJ12YJ560	M.RESISTOR CH 1/2W 56	1	
R5602	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5603,04	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5605,06	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5607,08	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5609	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5610,11	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5612	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5613,14	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5615,16	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5632	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R5633,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R5635,36	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	
R5637,38	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5639,40	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	2	
R5641	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5642,43	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R5644	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R5645,46	ERJ3RBD821	M.RESISTOR CH 1/16W 820	2	
R5647,48	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
RY4001	VSY2176	RELAY	1	K6B2CDA00045
RY5001	VSY2176	RELAY	1	K6B2CDA00045
T4001	VLT0729	TRANSFORMER	1	G4ZZ00000358
T4003	VLT0729	TRANSFORMER	1	G4ZZ00000358
TG4001	EYF6CU	TEST POINT	1	
TG5901	EYF6CU	TEST POINT	1	
TP4001,02	EYF6CU	TEST POINT	2	
TP4005,06	EYF6CU	TEST POINT	2	
VR4001	EVMEGSA00B15	V.RESISTOR 100K	1	
		MISCELLANEOUS		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP5846	RF HOLDER ANGLE	1	
	VYQ1745	SHIELD CASE (UPPER) ASS'Y	1	
	VSC4933	SHILD HOLDER ANGLE	1	
	VSC4934	SHIELD ANGLE	1	
	VSC4928	EARTH FINGER	1	
	XSN26+3	SCREW	1	
	VSC4386	RF SHIELD CASE (MIDDLE)	1	
	XTV3+6FFR	SCREW	2	
	VSC4437	RF SHIELD CASE (LOWER)	1	
	VMZ3241	RF BARRIER	1	
■ E10	VEP80C41A	MOTHER P.C.BOARD	1	(RTL)
C1,C2	ECA1CHG682	E.CAPACITOR 16V 6800U	2	
D1	21DQ04	DIODE	1	B0JAME000021
L1,L2	VLP0017	COIL	2	J0JHB0000010
P1-15	K1KB96A00048	CONNECTOR (FEMALE)	15	
P16	VJP3375A080	CONNECTOR (MALE)	1	K1KA80A00054
P17	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
P18,19	K1KA08A00283	CONNECTOR (MALE)	2	
P20	K1KB30B00028	CONNECTOR (FEMALE)	1	
P21	VJP3510	CONNECTOR (MALE)	1	K1KAC8B00004
		MISCELLANEOUS		
	VKC0392	SPACER	1	
	VMP6815	JACK PB GUIDE ANGLE (B)	1	
	VMP6817	MOTHER ANGLE (B)	1	
	VMP6816	MOTHER ANGLE (A)	1	
	VMP6824	MOTHER ANGLE (C)	1	
	XYE3+EF8FZ	SCREW	8	
	XTV3+6F	SCREW	2	
	VMX2541	P.C.BOARD SPACER	1	
	XYN26+C12	SCREW	4	
	XNG26EFXS	NUT	4	
■ E11	VEP82239A	MECHA IF P.C.BOARD	1	(RTL)
C1,C2	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C3	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C4	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C5	EEVHB1C220	E.CAPACITOR 16V 22U	1	
C6	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
C8	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C9,10	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C11,12	EEVHB1C470P	E.CAPACITOR 16V 47U	2	
C14,15	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	2	
C16	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C17	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C151-59	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C160-63	EEVHB1C470P	E.CAPACITOR 16V 47U	4	
C164,65	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C201-03	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	3	
D1	MA147	DIODE	1	
D153,54	MA716	DIODE	2	
IC1,C2	0P177GS	IC	2	
IC3	C0ABBB000124	IC	1	
IC4-C6	NJM4558M	IC	3	C0ABBB000044
IC151	NJM78L09UA	IC	1	C0CBAHC00002
IC152	NJM79L09UA	IC	1	C0CABBF00001

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC153-55	C0JBAZ000608	IC	3	
IC156,57	C0JBAQ000080	IC	2	
L151,52	VLF1151A132	COIL	2	
P11	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P12	VJP3172D005	CONNECTOR (MALE)	1	K1KA05B00053
P13	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P14	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P15	K1KA02B00075	CONNECTOR (MALE)	1	
P16	K1KA03B00102	CONNECTOR (MALE)	1	
P17	VJS3801D015	CONNECTOR (FEMALE)	1	
P18	K1KA02B00075	CONNECTOR (MALE)	1	
P19	VJP3172D002	CONNECTOR (MALE)	1	K1KA02B00051
P20	K1KA03B00102	CONNECTOR (MALE)	1	
P21	K1KA02B00075	CONNECTOR (MALE)	1	
P22	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P24	K1KA02B00075	CONNECTOR (MALE)	1	
P25	K1KA03A00017	CONNECTOR (MALE)	1	
P26	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P30	VJP3172D003	CONNECTOR (MALE)	1	K1KA03B00006
P32	VJP3172D004	CONNECTOR (MALE)	1	K1KA04B00007
P33	K1MN15B00033	CONNECTOR	1	
P34,35	VJS2889A017	CONNECTOR (FEMALE)	2	K1MN17A00008
P36	K1MN19B00007	CONNECTOR	1	
P48	VJP3125B002	CONNECTOR (MALE)	1	K1KA02B00111
P151	VJS2899A096	CONNECTOR (FEMALE)	1	K1KB96A00035
Q1	2SB1218A-R	TRANSISTOR	1	
Q101-08	B1DZED000002	TRANSISTOR	8	
QR101-12	UNR521300L	TRANSISTOR	12	
R1,R2	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	
R5	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	
R6	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R7,R8	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R9	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R10	ERJ3RBD823	M.RESISTOR CH 1/16W 82K	1	
R11	ERJ3RBD273	M.RESISTOR CH 1/16W 27K	1	
R12	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R13	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R14	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R15	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R16	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R17	ERJ3RBD392	M.RESISTOR CH 1/16W 3.9K	1	
R18	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R19	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R20	ERJ3RBD333	M.RESISTOR CH 1/16W 33K	1	
R21	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R22	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	1	
R23	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R24	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	
R25	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R26	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	1	
R27	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R101-04	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	4	
R105-07	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	3	
R108,09	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R110	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R111,12	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	2	
R113-16	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	4	
R151-64	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	14	
R165	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R166,67	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	
R168,69	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
R201,02	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	2	
VR1	EVMECSA00B24	V.RESISTOR 20K	1	
VR2	EVMECSA00B54	V.RESISTOR 50K	1	
VR201,02	EVMECSA00B24	V.RESISTOR 20K	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ E12	VEP82247A	MECHA IF2 P.C.BOARD	1	(RTL)
P1001,02	VJP3454B096	CONNECTOR (MALE)	2	K1KA96B00021
		MISCELLANEOUS		
	VMP6808	CONNECTION PB ANGLE	1	
	XTV3+6F	SCREW	2	
■ E13	VEP81221C	POWER P.C.BOARD	1	(RTL)
C1002,03	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C1004	ECHU1H471GB	P.CAPACITOR 50V 470P	1	
C1005	ECUM1C104KBN	C.CAPACITOR CH 16V 0.1U	1	
C1006	ECA1HXL010	E.CAPACITOR 50V 1U	1	
C1007	ECQE6473KF	P.CAPACITOR 630V 0.047U	1	
C1008	VCK0106K221	C.CAPACITOR 220P	1	
C1009	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1010	ECUX1H562KBV	C.CAPACITOR CH 50V 5600P	1	
C1011	ECA1VXL470	E.CAPACITOR 35V 47U	1	
C1012	ECA1HXL330	E.CAPACITOR 50V 33P	1	
C1015	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1017	ECJ2VB1H332K	C.CAPACITOR CH 50V 3300P	1	
C1101	ECA1HXL100	E.CAPACITOR 50V 10U	1	
⚠ C1107	ECQU2A474ML	P.CAPACITOR 100V 0.47U	1	
⚠ C1109	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1110,11	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	2	
C1114	ECUM1E474ZFM	C.CAPACITOR CH 25V 0.47U	1	
C1116	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C1117	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1119	ECQV1H684JF	P.CAPACITOR 50V 0.68U	1	
⚠ C1120	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1122	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1123	ECQE2W225KC	P.CAPACITOR 450V 2.2U	1	
C1124	EEUFC1H121L	E.CAPACITOR 50V 120U	1	
C1125	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C1126	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	
C1127	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1128	ECQF6222JZH	P.CAPACITOR 630V 2200P	1	
C1129	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1130,31	VCK0106K471	C.CAPACITOR 470P	2	
C1132	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C1133,34	VCK0106K471	C.CAPACITOR 470P	2	
C1135	ECEC2WC151CB	E.CAPACITOR 450V 150P	1	
C1138	ECA1HXL220	E.CAPACITOR 50V 22U	1	
⚠ C1139	VCK0262M102A	C.CAPACITOR 1000P	1	F1BAH1020001
C1140	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1201-10	ECQE6473KF	C.CAPACITOR 1000P	10	
C1211-14	EEUFC1A682	E.CAPACITOR 10V 6800U	4	
C1215	EEUFC1E182	E.CAPACITOR 25V 1800U	1	
C1217	ECUM1E224KBN	C.CAPACITOR CH 25V 0.22U	1	
C1218	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1219,20	EEUFC1E102LE	E.CAPACITOR 25V 1000U	2	
C1221	EEUFC1A682	E.CAPACITOR 10V 6800U	1	
C1222	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1223	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1224-26	ECA1CXL101	E.CAPACITOR 16V 100U	3	
C1227,28	ECA1EXL101	E.CAPACITOR 25V 100U	2	
C1229,30	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1231	ECA1CXL101	E.CAPACITOR 16V 100U	1	
C1232	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	
C1233	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	
C1234	ECA1HXL100	E.CAPACITOR 50V 10U	1	
C1235	ECA1HXL2R2	E.CAPACITOR 50V 2.2U	1	
C1236,37	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	
C1239	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	1	
C1240,41	ECQE6473KF	C.CAPACITOR 1000P	2	
C1242	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1243	ECA1EXL101	E.CAPACITOR 25V 100U	1	
C1244	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
D1001	MA142WA	DIODE	1	
D1002	MA142K	DIODE	1	
D1003	MA3240-H	DIODE	1	
D1005	EG01C	DIODE	1	B0HAGV000001
D1006	MA3051-M	DIODE	1	MAZ30510ML
D1007	SFPL-52	DIODE	1	
D1008	MA3200-M	DIODE	1	
D1009,10	SFPL-52	DIODE	2	
D1013	SFPL-52	DIODE	1	
D1101,02	MA3200-M	DIODE	2	
D1103	MA3068-M	DIODE	1	
D1104	MA142K	DIODE	1	
D1105,06	B0AAMT000002	DIODE	2	
D1107	MA142K	DIODE	1	
D1108	MA1070400L	DIODE	1	
D1109	RBV606	DIODE	1	
D1110	MA2P701A0L	DIODE	1	
D1111,12	MA3200-M	DIODE	2	
D1113-15	SFPL-52	DIODE	3	
D1116	MA3068-M	DIODE	1	
D1117	MA142K	DIODE	1	
D1118	FML-G26S	DIODE	1	
D1119,20	B0AAMT000002	DIODE	2	
D1201	D5S9M	DIODE	1	B0JARK000009
D1202,03	FML-G12SP	DIODE	2	
D1204	D20LC20U	DIODE	1	B0HBSM000021
D1205	FML-G12SP	DIODE	1	
D1206	MA142WA	DIODE	1	
D1207	FML-G12SP	DIODE	1	
D1208	MA142K	DIODE	1	
D1209	MA3160-L	DIODE	1	
D1210	MA142K	DIODE	1	
D1211	MA3100-M	DIODE	1	
D1212	MA3051-M	DIODE	1	MAZ30510ML
D1213	MA3240-H	DIODE	1	
D1214	MA3160-L	DIODE	1	
D1215	MA3100-M	DIODE	1	
D1216	MA142K	DIODE	1	
D1218	MA142K	DIODE	1	
D1219	MA3027-H	DIODE	1	
D1221	MA3027-H	DIODE	1	
D1222-24	MA142K	DIODE	3	
IC1001	FA5311BP	IC	1	C0DAAZZ00002
IC1101	MC33262P	IC	1	C0DAZZZ00013
IC1102	M51945BL	IC	1	C0EAB0000004
IC1103	M51951BL	IC	1	C0EAH0000030
IC1201	UPC1944J	IC	1	C0DAZLB00001
IC1202	C0DAEZH00010	IC	1	
IC1203	UPC1093J	IC	1	C0DAEMC00002
IC1204	C0BBBA000019	IC	1	
IC1205	PQ30RV31	IC	1	
L1001	VLP0074	COIL	1	J0JDB0000002
⚠ L1102,03	ELF21N020A	FILTER	2	
L1104	VLQ0820	COIL	1	
L1201	VLQ0655K220	COIL 22UH	1	
L1202	VLQ0826M4R7	COIL 4.7UH	1	
L1203	VLQ0826M100	COIL 10UH	1	
L1204,05	VLQ0826K220	COIL 22UH	2	
L1206	VLQ0655K220	COIL 22UH	1	
P1103	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112
P1201,02	K1KB08A00077	CONNECTOR (FEMALE)	2	
Q1001	B1DEFV000001	TRANSISTOR	1	
⚠ Q1002-04	B3QAZ0000030	PHOTO COUPLER	3	
Q1101	2SJ278	TRANSISTOR	1	
Q1102	TM1661S-L	DIODE	1	
Q1103	B1DEGR000013	TRANSISTOR	1	
Q1201	XN4501	TRANSISTOR-RESISTOR	1	
Q1202	XN0440100L	TRANSISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q1203	XN4501	TRANSISTOR-RESISTOR	1	
QR1001	UNR221300L	TRANSISTOR	1	
QR1002	UN2111	TRANSISTOR-RESISTOR	1	
QR1101	UNR211200L	TRANSISTOR	1	
QR1102	UN2215	TRANSISTOR-RESISTOR	1	
QR1103	UN2113	TRANSISTOR-RESISTOR	1	
QR1104,05	UNR221300L	TRANSISTOR	2	
QR1201	UN2211	TRANSISTOR-RESISTOR	1	
QR1202	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1203	UN2111	TRANSISTOR-RESISTOR	1	
QR1204	UN2214	TRANSISTOR-RESISTOR	1	UNR221400L
QR1205	UN2111	TRANSISTOR-RESISTOR	1	
QR1206,07	UNR221300L	TRANSISTOR	2	
R1002	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
⚠ R1003	VRT0142	THERMISTOR	1	D4DDB3310005
R1004	ERW1PKR33	W.RESISTOR 1W 0.33	1	
R1005	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R1006	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1007	ERJ3GEYJ225	M.RESISTOR CH 1/16W 2.2M	1	
R1008,09	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1010	ERG2SJ180	M.RESISTOR 2W 18	1	
R1011	ERJ6RBD241	M.RESISTOR CH 1/10W 240	1	
R1012	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R1013	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1014	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R1015	ERJ12YJ220	M.RESISTOR CH 1/2W 22	1	
R1016,17	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1018	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R1019	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	
R1020	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R1021	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1022	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R1101,02	ERG3SJ333	M.RESISTOR 3W 33K	2	
R1103	ERJ6RBD273	M.RESISTOR CH 1/10W 27K	1	
R1104	ERJ6RBD183	M.RESISTOR CH 1/10W 18K	1	
R1105	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1107	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R1108	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R1109	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	1	
R1110	ERJ3RED334	M.RESISTOR CH 1/16W 330K	1	
R1112-14	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	3	
R1115,16	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	2	D0GD221JA003
R1117,18	ERJ14YJ474	M.RESISTOR CH 1/4W 470K	2	
R1119	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1121,22	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	2	
R1123,24	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	2	
⚠ R1125	ERU5TEJ100	F.RESISTOR 5W 10	1	
R1127-30	ERJ12YJ683	M.RESISTOR CH 1/2W 63K	4	
R1131	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1132	ERG2SJ221	M.RESISTOR 2W 220	1	
R1133	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R1134	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1135	ERJ12YJ100	M.RESISTOR CH 1/2W 10	1	
R1136	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	1	D0GD221JA003
R1137	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1139	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1140	ERJ14YJ100	M.RESISTOR CH 1/4W 10	1	
R1141	ERJ14YJ220	M.RESISTOR CH 1/4W 22	1	
R1142,43	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1144	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	1	
R1145	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R1146	ERJ12YJ472	M.RESISTOR CH 1/2W 4.7K	1	
R1147	ERG2SJ220	M.RESISTOR 2W 22	1	
R1148	ERF2TKR15	W.RESISTOR 2W 0.15	1	
R1150-52	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1153	ERJ6RBD272	M.RESISTOR CH 1/10W 2.7K	1	
R1154	ERJ6GEYG104	M.RESISTOR CH 1/10W 100K	1	
R1155	ERG2SJ220	M.RESISTOR 2W 22	1	
R1161	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1165	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R1167-69	ERJ12YJ154	M.RESISTOR CH 1/2W 150K	3	
R1201	ERJ6GEYG121	M.RESISTOR CH 1/10W 120	1	D0GD121JA003
R1202,03	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1204-08	ERG2SJ220	M.RESISTOR 2W 22	5	
R1209	ERJ6GEYG332	M.RESISTOR CH 1/10W 3.3K	1	D0GD332JA003
R1210,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1212	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R1213	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	
R1214	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1215	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1216,17	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R1218,19	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1220	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1221	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1222	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R1223	ERJ3RBD621	M.RESISTOR CH 1/16W 620	1	
R1224	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1225	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1226	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
⚠ R1227	VRT0033	THERMISTOR	1	D4DDB3310004
R1228,29	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	2	
R1230	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1231	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1232	ERX2SZJR10	M.RESISTOR 2W 0.1	1	
R1233	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R1234	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1235	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R1237-39	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	D0GB103JA002
R1240	ERJ3GEYJ224	M.RESISTOR CH 1/16W 220K	1	
R1241	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R1242	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R1245	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R1247	ERG2SJ470	M.RESISTOR 2W 47	1	
R1248	ERG2SJ221	M.RESISTOR 2W 220	1	
R1249	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	
R1250,51	ERJ12YJ224	M.RESISTOR CH 1/2W 220K	2	
R1252	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R1253	ERG2SJ220	M.RESISTOR 2W 22	1	
R1254	ERJ3RBD391	M.RESISTOR CH 1/16W 390	1	
R1255	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
⚠ T1001	ETS42AE326AD	TRANSFORMER	1	
VR1102	EVMEASA00B52	V.RESISTOR 500	1	
VR1201	EVMEASA00B13	V.RESISTOR 1K	1	
		MISCELLANEOUS		
	VJR1008	EARTH LUG	4	
⚠	VMZ1608	CAPACITOR TUBE	3	
	VSC5221	HEAT SINK (A)	1	
	VSC5433	HEAT SINK (B)	1	
	VLP0336	FERRITE CORE	4	
	VLP0394	FERRITE BEAD	3	J0KE00000032
	VMZ2919	BARRIER	1	
	XYN3+F6FZS	SCREW	6	
	XYN3+F8FZS	SCREW	8	
	XYN3+F10	SCREW	4	
	VJF1348	CLAMPER	1	
	VSC4780	HEAT SINK (D)	1	
	VMZ3305	POWER COMMUTATION SHEET	1	
■ E14	VEP81222A	POWER 2 P.C.BOARD	1	(RTL)
⚠ C1502	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ C1503	ECQU2A224ML	P.CAPACITOR 100V 0.22U	1	
⚠ C1504	F1BAH101A001	C.CAPACITOR 100P	1	
⚠ L1501	ELF19N020A	FILTER	1	
⚠ P1501	VJS2985	CONNECTOR (FEMALE)	1	K2AH3H000012
P1502	VJP2638	CONNECTOR (MALE)	1	K1KA02A00112

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ R1506	ERC12AGM334C	S.RESISTOR 1/2W 33K	1	
		MISCELLANEOUS		
⚠	VMZ1608	CAPACITOR TUBE	2	
	EYF52BC	FUSE HOLDER	2	
⚠	VSF0106C31H	FUSE	1	
	VJR1008	EARTH LUG	2	
	VEE9627	FG CABLE	1	
⚠	VMP6812	AC IN HOLDER ANGLE	1	
	XSN3+6FZ	SCREW	2	
	XYN3+F8	SCREW	2	
	XYN4+E6VW	SCREW	1	
⚠	VMZ0429	FUSE COVER	1	
■ E15	VEP80C40C	AV JACK P.C.BOARD	1	(RTL)
C100	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C101	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C102,03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C104	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C105-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C108	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C109,10	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C111	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C200	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C201	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C202	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C203	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C204,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C206,07	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C300,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C304,05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C308,09	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C400,01	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	2	
C402	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C404	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C406-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C410,11	EEAHB1C470B	E.CAPACITOR 16V 47U	2	
C412	ECJ1VC1H270J	C.CAPACITOR CH 50V 27P	1	
C414	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C416	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C418	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C420	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C422	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C424	EEAHB1C470B	E.CAPACITOR 16V 47U	1	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501-16	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	16	
C517	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C518-24	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	7	
C526-29	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	4	
C601-03	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
D100	MA716	DIODE	1	
IC100	NJM78L09UA	IC	1	C0CBAHC00002
IC101	NJM79L09UA	IC	1	C0CABBF00001
IC200	C0CBBDB00004	IC	1	
IC201	C0CBADD00003	IC	1	
IC400	C0CBADD00003	IC	1	
IC401	C0CBBDB00004	IC	1	
IC402	C0JBAB000243	IC	1	
IC404	NJM360M	IC	1	C0BBZB000001
IC500	C0JBAQ000168	IC	1	
IC501	SN74S1051NS	IC	1	
IC502	C0JBAB000542	IC	1	
IC503	C0JBAQ000168	IC	1	
IC504,05	C0JBAZ001935	IC	2	
IC601	C0JBAN000168	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC602	C0JBAZ001936	IC	1	
IC603	C0JBAN000168	IC	1	
J200-03	VJS3902	CONNECTOR (FEMALE)	4	K1CB204H0002
J300,01	K1AB103A0007	CONNECTOR (MALE)	2	
J304,05	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J308,09	VJP3417	CONNECTOR (MALE)	2	K1AA103A0003
J310	K1AB103A0007	CONNECTOR (MALE)	1	
J311	VJP3417	CONNECTOR (MALE)	1	K1AA103A0003
J400	K1QBB2AA0006	CONNECTOR	1	
L100,01	VLF1151A132	COIL	2	
L312,13	VLP0145	COIL	2	
L317	VLP0145	COIL	1	
L319	VLP0145	COIL	1	
L321	VLP0145	COIL	1	
L323	VLP0145	COIL	1	
L332-35	VLP0145	COIL	4	
L340-43	VLP0145	COIL	4	
L346,47	VLP0145	COIL	2	
L400	VLQ0319K470	COIL 47UH	1	G1C470K00013
L402	VLQ0426J120	COIL 12UH	1	G1C120J00005
P100	VJS3510	CONNECTOR (FEMALE)	1	K1KBC8A00003
P101	VJP3414A015	CONNECTOR (MALE)	1	K1FB115A0008
P102,03	VJP3414A009	CONNECTOR (MALE)	2	K1FB109A0016
P104	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P105	VJP1243T	CONNECTOR (MALE) 3P	1	K1KA03B00012
P200	VJS3901	CONNECTOR (FEMALE)	1	K1CB204H0004
P500	VJP3414A025	CONNECTOR (MALE)	1	K1FB125A0011
P600	K1FA108A0003	CONNECTOR (MALE)	1	
Q200,01	2SC2295	TRANSISTOR	2	
Q400	2SC3930	TRANSISTOR	1	
Q402	2SC3930	TRANSISTOR	1	
Q403	2SA153200L	TRANSISTOR	1	
Q406	2SC3930	TRANSISTOR	1	
Q407	2SA153200L	TRANSISTOR	1	
Q500-05	XN1214	TRANSISTOR-RESISTOR	6	
R200-02	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	D0YDR0000005
R203-05	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	3	
R206	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R207	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R208	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R209	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R210	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R211	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R212-17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	6	D0YDR0000005
R218	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	
R219	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R220	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R221	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R400	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R402	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R404	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R406	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R408	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	
R410	ERJ3GEYJ820	M.RESISTOR CH 1/16W 82	1	
R412	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R414	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R416,17	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R420	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	1	
R421,22	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	2	
R426	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R428	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R430	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R500	ERQ12HJ2R7	F.RESISTOR 1/2W 2.7	1	
R501-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	24	D0GB103JA002
R525-28	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R529,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R532	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R600-03	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	4	
R604-07	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R609-12	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	4	
SW200,01	VSS0307	SWITCH	2	K0D122A00105
SW600	VSS023706	SWITCH	1	K0D612A00005
		MISCELLANEOUS		
	VMP4866	D SUB ANGLE	1	
	VXQ0102	SCREW	10	K1YE50000008
	XYN26+F8	SCREW	2	
	VMP6814	JACK PB GUIDE ANGLE (A)	1	
	XSN26+8FZ	SCREW	2	
	XNG26EFXS	NUT	2	
■ E16	VEP86337C	FRONT P.C.BOARD	1	(RTL)
C100,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C102	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C103	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C104	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C105-07	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C108	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C109-13	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C125	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C200-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	7	
C300-04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	5	
C400	ECUX1E473KBV	C.CAPACITOR CH 25V 0.047U	1	
C401	ECUX1E273KBV	C.CAPACITOR CH 25V 0.027U	1	
C402	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	1	F1K1C105A026
C403	EEUFC1J101	E.CAPACITOR 63V 100U	1	
C404	EEUFC1A122	E.CAPACITOR 10V 1200U	1	
C405	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C406,07	ECJ2VF1H104Z	C.CAPACITOR CH 50V 0.1U	2	
C409	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C410	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C411	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C412	ECUX1C333KBV	C.CAPACITOR CH 16V 0.033U	1	
C413	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C415	ECUX1C473KBV	C.CAPACITOR CH 16V 0.047U	1	
C416	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C417,18	ECJ2VC1H102J	C.CAPACITOR CH 50V 1000P	2	
C500	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C501	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C502	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C506	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C507	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C508	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C515	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C516	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C517,18	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C519	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C520	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C521,22	ECUX1H151JCV	C.CAPACITOR CH 50V 150P	2	
C525,26	F1H1H122A219	C.CAPACITOR CH 50V 1200P	2	
C527	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
D300	LNW4A8YY4	DIODE	1	
D301-03	LN38GCPP	LED	3	
D306	LNW4A8YY4	DIODE	1	
D400	MAZ33300ML	DIODE	1	
D401	U1GU44	DIODE	1	
D402	MA3062M	DIODE	1	
D403	MA152A	DIODE	1	
D404	MA3150-M	DIODE	1	
D405	MAZ30270HL	DIODE	1	
D500-05	MA716	DIODE	6	
D506	MA142WA	DIODE	1	
DP400	A2BZ00000033	LCD	1	

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

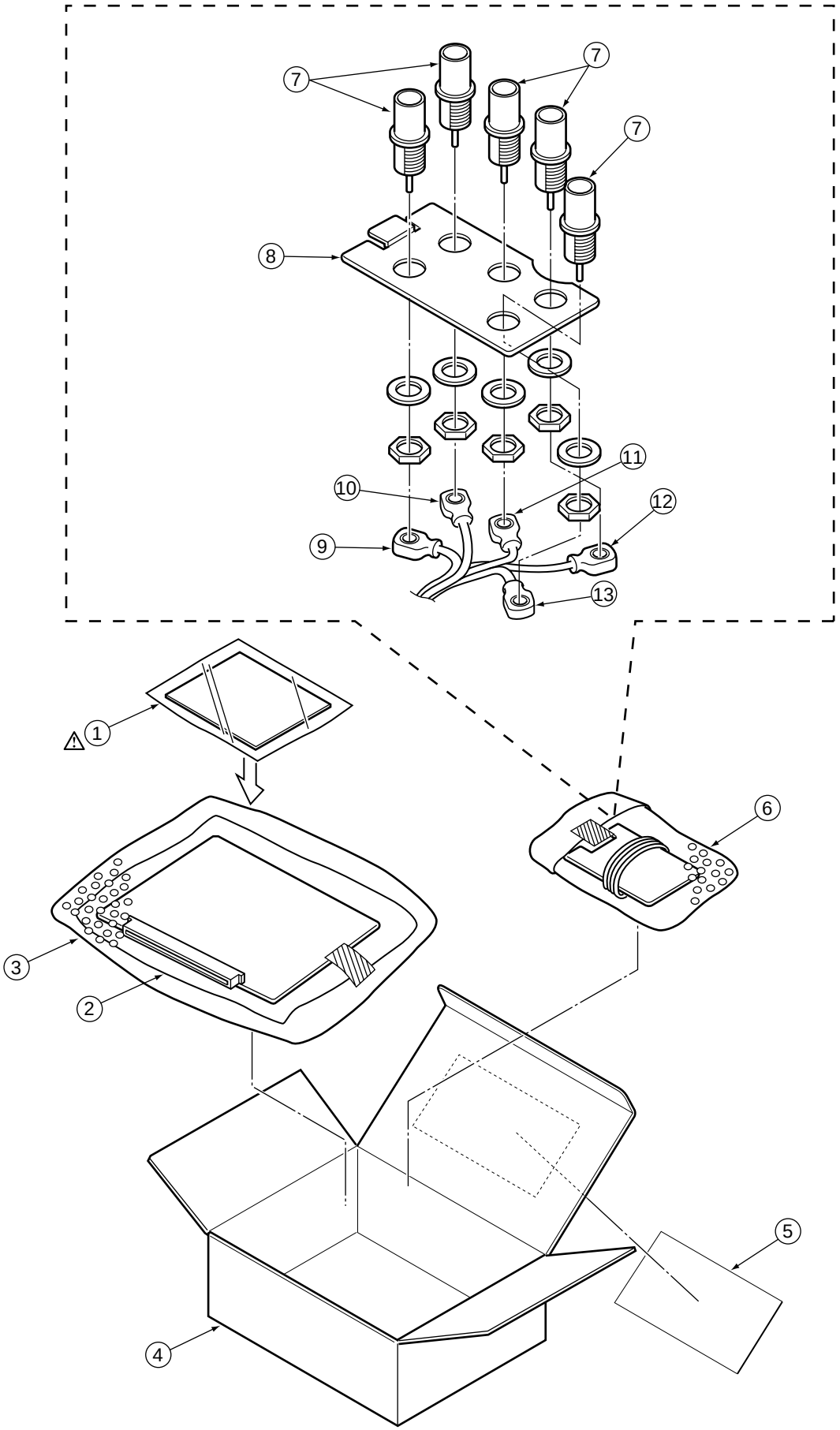
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
FL500,01	J0HAAC000013	FILTER	2	
IC100	C0JBAZ000994	IC	1	
IC101	C0JBAB000541	IC	1	
IC102	C0JBAZ001121	IC	1	
IC103	UPC339G2	IC	1	
IC115	C0JBAZ001003	IC	1	
IC200-06	C0JBAZ001935	IC	7	
IC300-04	C0JBAQ000168	IC	5	
IC400	UPD16310GF	IC	1	
IC401	C0JBAM000052	IC	1	
IC403	C0JBAM000052	IC	1	
IC500	C0CBADC00063	IC	1	
IC502	XC62FP3202P	IC	1	
IC503,04	C0ABBA000071	IC	2	
IC505	NJM78L09UA	IC	1	C0CBAHC00002
IC506	NJM79L09UA	IC	1	C0CABBF00001
IC507	NJM4556AM	IC	1	C0ABBB000042
IC508	C0ABBA000071	IC	1	
J500	VJJ0571	JACK	1	
L100-02	VLF1151A132	COIL	3	
L103	VLP0133	COIL	1	
L400	VLQ0655K220	COIL 22UH	1	
L500,01	VLP0146	COIL	2	
P100	K1KA30C00003	CONNECTOR (MALE)	1	
P101	VJP1246T	CONNECTOR (MALE) 6P	1	
P300	K1KB07A00019	CONNECTOR (FEMALE)	1	
Q400,01	2SD602A-R	TRANSISTOR	2	
Q402	B1BBGE000001	TRANSISTOR	1	
Q403	2SD602A-R	TRANSISTOR	1	
Q404	2SJ278	TRANSISTOR	1	
Q405-07	2SB1219A	TRANSISTOR	3	
Q500,01	2SD1328	TRANSISTOR	2	
QR300-03	UN2214	TRANSISTOR-RESISTOR	4	UNR221400L
QR304,05	UN2114	TRANSISTOR-RESISTOR	2	
QR307-13	UN2214	TRANSISTOR-RESISTOR	7	UNR221400L
QR314	UN2114	TRANSISTOR-RESISTOR	1	
QR315-17	UN2214	TRANSISTOR-RESISTOR	3	UNR221400L
QR320-32	UN2214	TRANSISTOR-RESISTOR	13	UNR221400L
QR335-39	UN2214	TRANSISTOR-RESISTOR	5	UNR221400L
QR400-02	UNR221300L	TRANSISTOR	3	
R103	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R104	D0GZ103J0001	M.RESISTOR CH 10K	1	
R105	D1H84704A008	COMBI.R-R 47	1	
R107	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R108	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R109	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R110	D1H84704A008	COMBI.R-R 47	1	
R113-16	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	4	
R117-20	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	4	
R121	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R122	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R123-26	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	4	
R127	D0GZ103J0001	M.RESISTOR CH 10K	1	
R128	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R131,32	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	D0GB103JA002
R133-37	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	5	
R138	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R200-13	D1H847240002	COMBI.R-R 4.7K	14	
R214	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R216	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R217	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R300	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R301-04	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	4	
R305	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R307-17	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	11	
R320-32	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	13	
R335-39	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	5	
R400	ERJ6GEYG122	M.RESISTOR CH 1/10W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R401	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	1	
R402	ERJ14YJ4R7	M.RESISTOR CH 1/4W 4.7	1	
R403,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R405	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
⚠ R407	K5H3121A0004	FUSE	1	
R408	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R409-11	ERJ6GEYJ241	M.RESISTOR CH 1/10W 240	3	
R412	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R413,14	ERJ6GEYG563	M.RESISTOR CH 1/10W 56K	2	
R416	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	D0GD472JA003
R417	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R418	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R419	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R420-22	ERJ8GEYJ682	M.RESISTOR CH 1/8W 6.8K	3	
R423-28	ERJ8GEYJ332	M.RESISTOR CH 1/8W 3.3K	6	
R442-44	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	3	
R445	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R503	EXBV8V102J	COMBI.R-R 1K	1	
R506,07	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R508,09	ERJ3GEYJ562	M.RESISTOR CH 1/16W 5.6K	2	
R510,11	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	2	
R512	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R513,14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R515	ERJ6GEYG271	M.RESISTOR CH 1/10W 270	1	
R516-18	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	3	
R519,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	D0YDR0000005
R521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R529	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
SW200,01	VSP0853A000	SWITCH	2	K0F111A00235
SW204-07	VSP0853A000	SWITCH	4	K0F111A00235
SW208	VSP0795	SWITCH	1	K0F111A00276
SW209-16	VSP0864A000	SWITCH	8	K0F111A00243
SW217	K0F111A00367	SWITCH (RED)	1	
SW218	VSP0864A000	SWITCH	1	K0F111A00243
SW219,20	VSP0853A000	SWITCH	2	K0F111A00235
SW221	VSP0864A000	SWITCH	1	K0F111A00243
SW222	VSP0791	SWITCH	1	K0F111A00279
SW223	K0F111A00426	SWITCH	1	
SW224	VSP0792	SWITCH	1	K0F111A00280
SW225	VSP0789	SWITCH	1	K0F111A00283
SW226	VSP0790	SWITCH	1	K0F111A00278
SW227,28	VSP0864A000	SWITCH	2	K0F111A00243
SW229,30	VSS0279	SWITCH	2	K0D112A00094
SW231	VSS0313	SWITCH	1	K0D113A00044
SW232,33	VSS0279	SWITCH	2	K0D112A00094
SW234,35	EVQ21K04K	SWITCH	2	
SW236	VSS0279	SWITCH	1	K0D112A00094
SW237-44	EVQ21K04K	SWITCH	8	
SW247,48	EVQ21K04K	SWITCH	2	
T400	G4ZZ00000446	TRANSFORMER	1	
VR500-03	VRV0279	V.RESISTOR	4	D2BCA54B0003
VR505	EVJ089F15B54	V.RESISTOR 50K	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	3	
	VJF1466	LCD HOLDER	2	
	VMX3227	LED HOLDER	2	
	VGU9191	KEY TOP BUTTON	2	
	VSC5409	HEADPHONE EARTH ANGLE	1	
	VSC5450	EARTH ANGLE	1	
■ E17	VEP80C79B	FRONT SUB P.C.BOARD	1	(RTL)
D700	LN38GCPP	LED	1	
D702,03	LN48YCPP	LED	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P700	K1KA07A00083	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
	VMX2126	LED SPACER	3	
■ E18	VEP80C78A	EJECT P.C.BOARD	1	(RTL)
SW600	VSP0864C001	SWITCH	1	K0F111A00274
		MISCELLANEOUS		
	VWJ03CN060AA	FLAT CABLE	1	
■ E19	VEP80856A	CARRIGE P.C.BOARD	1	(RTL)
P1	VJP1249T	CONNECTOR (MALE)	1	K1KA09B00028
P2	VJS2889A012	CONNECTOR (FEMALE)	1	
P3	VJS2889A016	CONNECTOR (FEMALE)	1	
R1-R7	ERDS2TJ221	C.RESISTOR 1/4W 220	7	

PACKING PARTS ASSEMBLY (AJ-YA755G)

Components identified with the mark ⚠ have the special characteristics for safety.
When replacing any of these components, use only the same type.



PACKING PARTS ASSEMBLY (AJ-YA755G)

Components identified with the mark ⚠ have the special characterisitics for safety.
When replacing any of these components, use onlly the same type.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 1	VQT0F65	OPERATING INSTRUCTIONS	1	
2	VPF0359	POLYETHYLENE BAG	1	
3	VPF0678	AIR CAP	1	
4	VPG6296	PACKING CASE	1	
5	VQL9822	PACKING LABEL	1	
6	VPF0679	AIR BAG	1	
7	VJS3462	CONNECTOR (FEMALE)	5	K1SMBDBA0002
8	VMP7878	JACK PANEL	1	
9	VEE9651	CABLE (BLACK)	1	K1RZBBB00003
10	VEE9655	CABLE (ORANGE)	1	K1RZBBB00007
11	VEE9654	CABLE (YELLOW)	1	K1RZBBB00009
12	VEE9653	CABLE	1	K1RZBBB00006
13	VEE9652	CABLE (RED)	1	K1RZBBB00008

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks

ELECTRICAL REPLACEMENT PARTS LIST (AJ-YA755G)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP83605B	SDI P.C.BOARD	1	(RTL)
C3000,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3002	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3003	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3004-06	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3007	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3008	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3009	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3100,01	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3103,04	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3107	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3200	EEVHB1C470P	E.CAPACITOR 16V 47U	1	
C3201	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3202	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3203	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3204-06	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	3	
C3207	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3208	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3209	ECUX1H153KBV	C.CAPACITOR CH 50V 0.015U	1	
C3210	ECUX1H040CCV	C.CAPACITOR CH 50V 4P	1	
C3211	ECUX1H472KBV	C.CAPACITOR CH 50V 4700P	1	
C3212	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3213,14	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	
C3215,16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3217	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3218	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3219	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3220	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3221	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3222	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	
C3223	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3224	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3225	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3226	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3227	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	
C3228	ECUX1E223KBV	C.CAPACITOR CH 25V 0.023U	1	
C3330-38	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3400-08	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	9	
C3410,11	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3412	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3413-15	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3416	EEFCD0J470R	E.CAPACITOR 6.3V 47U	1	
C3417	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3418	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3419	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3424-26	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	3	
C3427-29	EEVHB1C470P	E.CAPACITOR 16V 47U	3	
C3430	F1L1E4750006	C.CAPACITOR CH 25V 4.7U	1	
C3500-05	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	6	
C3507-16	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	10	
C3518	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3522,23	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
C3524	ECJ1VB1H103K	C.CAPACITOR CH 50V 0.01U	1	
C3525	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3527	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3529	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3530	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3531	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	1	
C3532	ECUM1C105ZFN	C.CAPACITOR CH 16V 1U	1	F1J1C105A083
C3533,34	ECJ1VF1E104Z	C.CAPACITOR CH 25V 0.1U	2	
D3201,02	MA3J14300L	DIODE	2	
IC3000	LT1963EST	IC	1	
IC3102,03	C0JBAZ001121	IC	2	
IC3104,05	C0JBAZ001137	IC	2	
IC3200	LT1086CM	IC	1	C0CBAYG00001
IC3201	C1AB00001385	IC	1	
IC3203	GS9028-CKA	IC	1	C1AB00000365
IC3204	C1AB00001651	IC	1	
IC3300	C0JBAZ001728	IC	1	
IC3301	C1AB00001648	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3400	C0JBAZ001728	IC	1	
IC3401	C1AB00001648	IC	1	
IC3402	C1AB00001386	IC	1	
IC3403	C0CBABE00013	IC	1	
IC3404	LT1086CM	IC	1	C0CBAYG00001
IC3405	C0JBAZ001121	IC	1	
IC3500,01	C0JBAZ001121	IC	2	
IC3502	C1ZBZ0001837	IC	1	
IC3507	C1AB00001386	IC	1	
IC3508	C0JBAZ001003	IC	1	
IC3509,10	C0JBAZ001121	IC	2	
IC3511	C1AB00001890	IC	1	
ID3503	VVVSI4113	SOFTWARE	1	DOWNLOAD ONLY
IP3503	C3ZBH0000010	IC	1	
J3200,01	K1QZA1BA0001	CONNECTOR	2	
J3400,01	K1QZA1BA0001	CONNECTOR	2	
J3500	K1QZA1BA0001	CONNECTOR	1	
L3000,01	VLF1151A132	COIL	2	
L3200	VLQ0426J015	COIL 15UH	1	
L3201,02	VLQ0426J010	COIL 1UH	2	
L3400,01	VLQ0426J010	COIL 1UH	2	
L3500,01	VLQ0426J010	COIL 1UH	2	
P3000	K1KA96B00032	CONNECTOR (MALE)	1	
P3500	K1KA08B00147	CONNECTOR (FEMALE)	1	
R3100,01	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
R3102-05	EXBV8V473J	COMBI.R-R 47K	4	
R3106	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3200	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R3201	ERJ3RED390	M.RESISTOR CH 1/16W 39	1	
R3202,03	ERJ3RED750	M.RESISTOR CH 1/16W 75	2	
R3204	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3205	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3206,07	D0GB123JA002	M.RESISTOR CH 1/16W 12K	2	
R3208	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3209	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3210	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	
R3212	ERJ3EKF3650	M.RESISTOR CH 1/16W 3.6M	1	
R3213	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3214-17	ERJ3RED910	M.RESISTOR CH 1/16W 91	4	
R3218	ERJ6RED560	M.RESISTOR CH 1/10W 56	1	
R3219-22	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3223	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3224	ERJ3RBD683	M.RESISTOR CH 1/16W 68K	1	
R3225	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3226-28	EXBV8V101J	COMBI.R-R 100	3	
R3229	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3230	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3231	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3331-33	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	3	
R3334	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3335	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	
R3336	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3337	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3400	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3401-03	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	3	
R3404	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3405-08	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	4	
R3409	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3410	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3411	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3413	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3414	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3415	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3416-19	ERJ6RED750	M.RESISTOR CH 1/10W 75	4	
R3420	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3421,22	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3423	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3424	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3425	ERJ6RBD121	M.RESISTOR CH 1/10W 120	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3426	ERJ6RBD361	M.RESISTOR CH 1/10W 360	1	
R3427	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	D0YDR0000005
R3428-30	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	3	
R3431,32	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3500,01	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	2	
R3502-04	EXBV8V101J	COMBI.R-R 100	3	
R3505,06	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3508	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3509	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3510	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3511	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3512,13	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3514	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	
R3515	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3516-18	EXBV8V101J	COMBI.R-R 100	3	
R3519	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3520	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3521	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3522-24	EXBV8V101J	COMBI.R-R 100	3	
R3526	ERJ3EKF3740	M.RESISTOR CH 1/16W 370K	1	
R3527	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	1	
R3528	ERJ3RED510	M.RESISTOR CH 1/16W 51	1	
R3529	D1H833040002	COMBI.R-R 33	1	
R3530,31	ERJ3GEYJ561	M.RESISTOR CH 1/16W 560	2	
R3532	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	D0GB103JA002
R3533-37	ERJ6RED750	M.RESISTOR CH 1/10W 75	5	
R3538-41	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	D0GB103JA002
R3542	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3543	EXBV8V473J	COMBI.R-R 47K	1	
R3545,46	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	2	
TG3000	EYF6CU	TEST POINT	1	
TG3200	EYF6CU	TEST POINT	1	
TG3400	EYF6CU	TEST POINT	1	
		MISCELLANEOUS		
	VML2143	CARD PULLER	1	
	VML2144	CARD PULLER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks